

Deliverable For:

**Gateway Cities Traffic Signal Synchronization
And Bus Speed Improvement Project**

Atlantic Blvd. / I-710 Corridor

Deliverable 2.5.1.7

Daft System Detector Location Analysis

Version 1

Submitted To:

**Los Angeles County
Department of Public Works**

Submitted By:

Siemens ITS

February 21, 2005

Revision History

Version	Date Submitted	Comments
Draft Version 1	February 21, 2005	Initial submittal

TABLE OF CONTENTS

1	INTRODUCTION	1-1
1.1	Background.....	1-1
1.2	Characterizing Detection.....	1-1
1.3	Purpose of the Report.....	1-3
2	SYSTEM DETECTION LOCATION ANALYSIS	2-1
2.1	LOCATION DEFINITION	2-1
2.2	Methodology Used	2-1
2.3	Conclusion:	2-5

List of Tables and Figures

Figure 1-1: Detector Functional Type	1-3
Table 2-1: System Detector Prioritization Criteria	2-2
Figure 2-1: System Detector Location Decision Flowchart	2-4
Table 2-2: Summary Results for High Priority Detector Location	2-6
Figure 2-2: I-5/Telegraph Road Project Area Showing Installation Scenarios for High Priority System Detection Locations.....	2-11

Appendix A: Summary of Data Collection and Extrapolation

Appendix B: Raw Data, Factor Scores, Weighted Scores, and Location Scores

Appendix C: Detection Ranking By Location

Appendix D: Existing Condition and Recommendation for High Priority Locations

1 INTRODUCTION

1.1 Background

The County of Los Angeles Department of Public Works Traffic Signal Synchronization, Operation and Maintenance (SOM) program has proven successful in creating an institutional infrastructure to coordinate the activities of the agencies responsible for traffic signal operations in the County. A key feature of this infrastructure is the Forums - groups of bordering agencies created to encourage and promote inter-agency cooperation. These Forums have enabled funding to be targeted at infrastructure improvements along arterial and arterial/freeway corridors in the County's sub-regions. Such projects are a critical part of what will eventually be a network of integrated ITS systems in Los Angeles County and in Southern California.

The Atlantic Blvd./I-710 Corridor is one such project which will result in arterial infrastructure improvements on north-south and east-west arterials along I-710 freeway in the South-East LA County (Gateway Cities) Forum.

The objective of this project is to design, develop and deploy Advanced Traffic Control system(s) (ATMS) in the corridor so that the signals in the Project area can be synchronized across the jurisdictional boundaries. This project concentrates on the needs of the agencies in this corridor with respect to signal synchronization and recommends improvements to field infrastructure (including controllers, loops, detectors, and communications) and central traffic control systems to meet those needs.

When successfully completed, each of the agencies responsible for traffic signal operations in the Atlantic Blvd./ I-710 Corridor will have full access to a ATMS that monitors and controls the traffic signals under their jurisdiction. Agencies will be able to synchronize their signals with neighboring agencies, and exchange traffic information in real-time. Agencies will also be able to exchange data with other agencies in the Gateway Cities region. This will allow the agencies to respond to recurrent and non-recurrent congestion in a coordinated fashion across the jurisdictional boundaries.

1.2 Characterizing Detection

Vehicle detection at traffic signals is usefully divided into the following three functional categories. For the purpose of this explanation, a "detector" is a loop or other on-road sensing device, or a detection zone configured in an off-road detector. Some detection technologies are unable to support some of these functions.

- Stopline Detection: Detection of vehicles moving or stopped while close to the stopline at a signalized intersection. The stopline detection area starts at the stopline and may extend to six to 60 feet before the stopline. Such detection is used by an actuated traffic signal controller for calling and extending a traffic signal phase. If stopline detection is absent, the signal will typically need to be set to automatically call the relevant signal phase in case vehicles are waiting to be served, and extend the green for a shorter or longer time than needed to serve the waiting vehicles. Stopline detection does not require monitoring of each traffic lane separately.
- Advance Detection: Detection of vehicles approaching a signalized intersection, usually in the area between 150 and 300 feet before the stopline. Such detection is used by an actuated traffic signal controller for calling and extending a traffic

signal phase. If advance detection is absent, the signal will not be aware of an approaching vehicle until it is sensed by stopline detection, which may result in additional delay for vehicles approaching on red and wasted green extension after the last vehicle passes. Advance detection does not require monitoring of each traffic lane separately, but detectors used for advance detection are often separated by lane to enable their joint use for system detection.

- **System Detection:** Detection of vehicles for the purpose of measuring the volume (count) and density (average occupancy) of traffic at a roadway location over a period of time typically in the range of one to five minutes. Some traffic signal controllers may also use system detection to calculate average vehicle speed. After the end of each data accumulation period, the data for that time period are stored in the controller, or more typically, transmitted to a field master or central computer, where they are stored and used in traffic responsive plan selection and other applications. Vehicle detectors used for advance detection, if suitably configured, may also provide system detection. More rarely, detectors used for stopline detection can be configured to also provide system detection. It is common to install separate detectors just for system detection, and such separate detectors are often located downstream of the intersection (on the departure side) in the area extending from the intersection up to about 300 feet away. To obtain the most useful and accurate data, detectors used for system detection need to monitor each traffic lane separately and separate data need to be reported for each lane.

Figure 1-1 is a schematic that illustrates typical detector locations for these three types of detection. Traffic responsive and traffic adaptive control require system detection to provide timely information on current traffic conditions and trends so that the timing plans can be changed automatically as conditions warrant. For example, as it lies parallel to the I-710 Freeway, Atlantic Blvd. has a function as a freeway alternate. It is necessary to know the traffic conditions on this arterial either before assigning this as an alternate or in order to know which signal timing plan would be the most appropriate for accommodating the additional traffic.

A separate program is being implemented by the County DPW to address the design and provision of stopline and advance detection. The Atlantic Blvd. /I-710 Corridor Project is focusing on system detection, to be accommodated either by dedicated system detectors or dual-use advance detectors, or both.

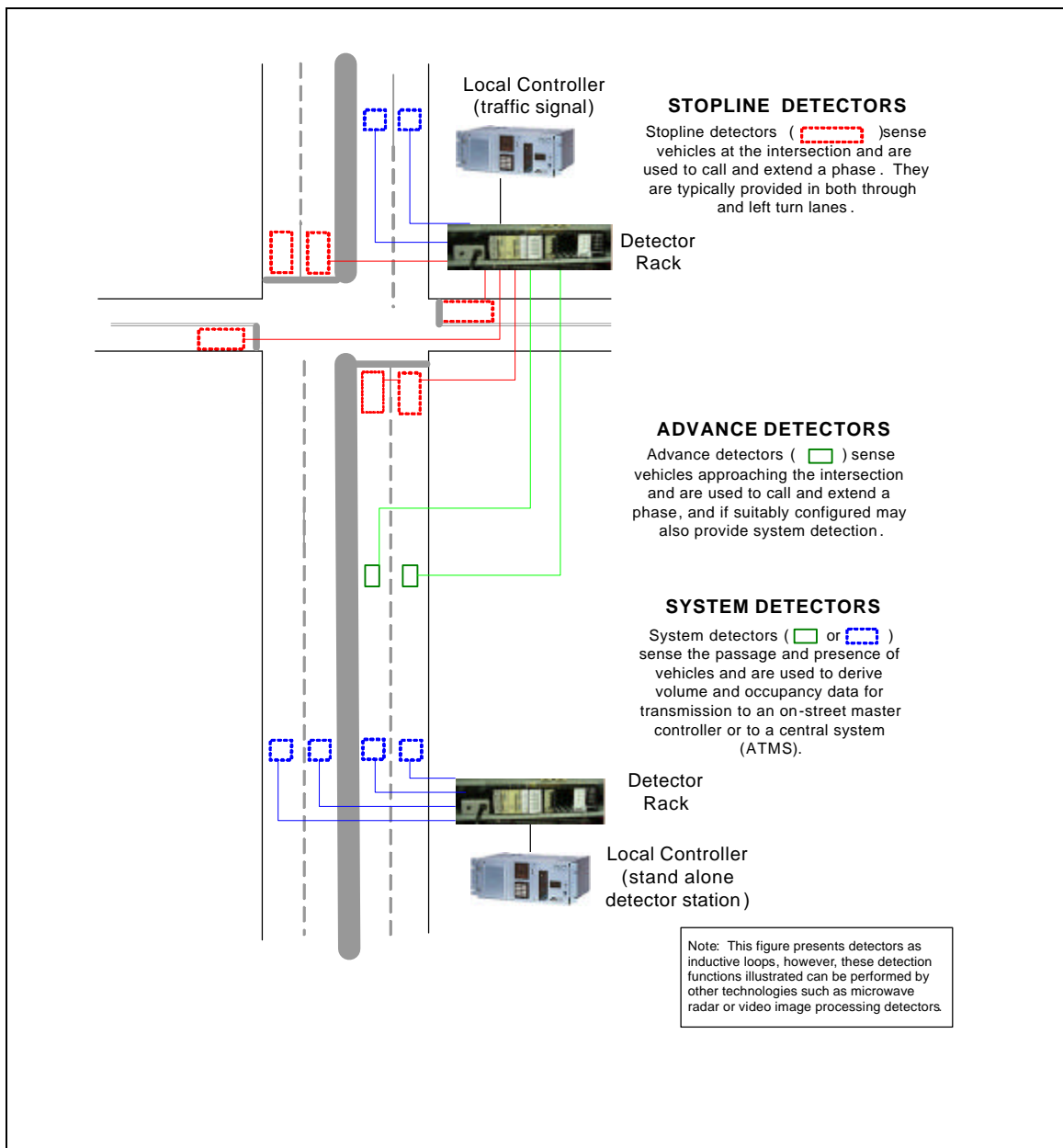


Figure 1-1: Detector Functional Type

1.3 Purpose of the Report

Earlier reports for the Atlantic Blvd. /I-710 Corridor Project addressed the user and functional requirements for the ATMS systems, the interfacing systems, the communication system, and the local control centers. These requirements enabled development of the High Level Design Definition Report, LCC Recommendations Report and Alternative Analysis reports for ATMS, and communications systems.

This System Detection Location Analysis report presents an analysis of all major intersections¹ in the project area which evaluates each major intersection location for the need to deploy system detection at that location. The evaluation uses a combination of factors such as location on a TSSP route, traffic volumes, and level of service. A preliminary ranking for system detection placement for each location is derived based on these factors. These locations are further examined for the existence of usable advance loops. The recommendations are then made for each high priority system detection location as follows:

- 1) If new system detector should be installed
- 2) If existing advance detector should be rewired
- 3) If existing advance detector should be used

¹ For the purposes of this analysis an intersection is defined as a major intersection where two major project roadways meet or major project roadway meets with the freeway ramp, where major project roads are defined as having at least 4 through lanes in both directions.

2 SYSTEM DETECTION LOCATION ANALYSIS

2.1 LOCATION DEFINITION

The locations for system detection are determined on an approach basis. An approach is defined as an inbound direction in advance of a signal location in the project area. Two approach examples are as follows:

Example 1: *Signal Location:* Atlantic/Florence: *Direction:* South, *Name:* N/O Florence Ave. - this represented the system detection for vehicles traveling southbound on Atlantic Blvd. from Gage Ave. to Florence Ave.

Example 2: *Signal Location:* Atlantic/Florence: *Direction:* North, *Name:* S/O Florence Ave. - this represented the system detection for vehicles traveling northbound on Atlantic Blvd. from Firestone Blvd. to Florence Ave.

An intersection could potentially have four approaches, however for this project only those approaches that correspond to major project roadways² included in the Project area are considered for system detection placement.

2.2 Methodology Used

The System Detection location analysis for the Atlantic Blvd. /I-710 Corridor Project was performed using the following methodology:

1. Development of System Detection location prioritization criteria (See Table 2-1):
 - a. Identification of factors that affect the decision to place system detection at a given location. These are:
 - i. LA County TSSP Route: Intersections identified in the Los Angeles County TSSP Route.
 - ii. Level of Service (LOS): estimate of the quality of traffic flow of a approach based on traffic delays. LOS could range from A, representing free-flow conditions, to F, representing jammed conditions. It was calculated as follows:
 - 1) Maximum Directional Volume = Average Daily Traffic Volume for one link in one direction.
 - 2) Obtain the peak hour volume as;
Max. Directional Volume*0.1
 - 3) Calculate Capacity as;
Number of lanes*800
 - 4) Calculate V/C Ratio by dividing Peak Hour Volume by Capacity
 - 5) Assign LOS values as follows:

² Major project roads are defined as having at least 4 through lanes in both directions.

V/C Ratio	LOS
0 – 0.60	A
0.601 – 0.70	B
0.701 – 0.80	C
0.801 – 0.90	D
0.901 – 1.00	E
Over 1.001	F

iii. Average Daily Traffic Volume (ADT): this represents the average total number of vehicles including passenger cars, trucks and busses that pass through that approach in a 24-hour period in one direction.

- b. An assignment of weight to these factors (factor weight) was made based on their relative importance to system detection placement decision.
- c. For each factor, ranges were developed based on their expected values. Each range was assigned a weight (range weight) to reflect its relative effect on system detection placement decision.

Table 2-1: System Detector Prioritization Criteria

Factors	Range	Range Weight	Factor Weight (Importance)
1. LA County TSSP	TSSP Route	4	5
	Not TSSP Route	0	
2. Level of Service	F	4	4
	E	3	
	D	2	
	C,B or A	1	
3. Average Daily Traffic Volume (For link in one direction)	Over 30,000	4	3
	Between 20,000 and 30,000	3	
	Between 10,000 and 20,000	2	
	Less than 10,000	1	

2. Data for each of the 3 factors was collected for all potential System Detection locations. Appendix A presents a summary of data collection and extrapolation methodology.
3. Range weights were assigned to the factors based on their values according to the criteria.
4. For each location a weighted score was calculated by multiplying the range weight by the factor weight. The weighted scores for all factors were summed to derive a location score. (Appendix B presents the raw data; factor scores, weighted scores and location score for each location)

5. The location scores were analyzed to determine high priority, medium and low priority system locations as follows:
 - a. It was observed that:
 - i. The highest score a location received is 48 (which is the possible maximum), the lowest score a location received is 7 (which is also the possible minimum).
 - ii. 2 locations were not assigned scores because one of the major roads is one way street.
 - iii. For those locations (342) where location scores are available, 97 locations' score are less than or equal to 7, 134 locations' score are between 7 and 22 and 111 locations' score are above 22.
 - b. Based on the above observations:
 - i. The locations with scores 7 and lower were categorized as "Low" priority for System Detection placement. This category has 97 locations.
 - ii. The locations with score between 7 and 22 were assigned "Medium" priority for System Detection placement. This category has 134 locations.
 - iii. The locations with scores above 22 were assigned "High" priority for System Detection placement. This category has 111 locations.
 - iv. The locations, for which not enough data was available to calculate a score, were marked as "N/A" (Data Not Available). 2 locations fall into this category.

Appendix C contains the ranking resulting for the analysis up to this point.

6. Next, for those "High" priority locations that have existing advance detection, a determination was made if those detectors could be used as system detectors or new system detectors need to be installed. To determine this, the following conditions were checked for each approach (This process is also depicted in the flow chart in Figure 2-1)
 - i. The link has advance detectors;
 - ii. Per Agency's information, whether the queues at that link will backup to the advance loops position;
 - iii. The distance between the approach in question and the upstream intersection is less than 0.5 miles. If the intersections are far apart and minor intersection exists in between, the mid-block detection may be required to capture the turning traffic to and from the minor intersections between the signals;
 - iv. The advance detector DLC's are separate;

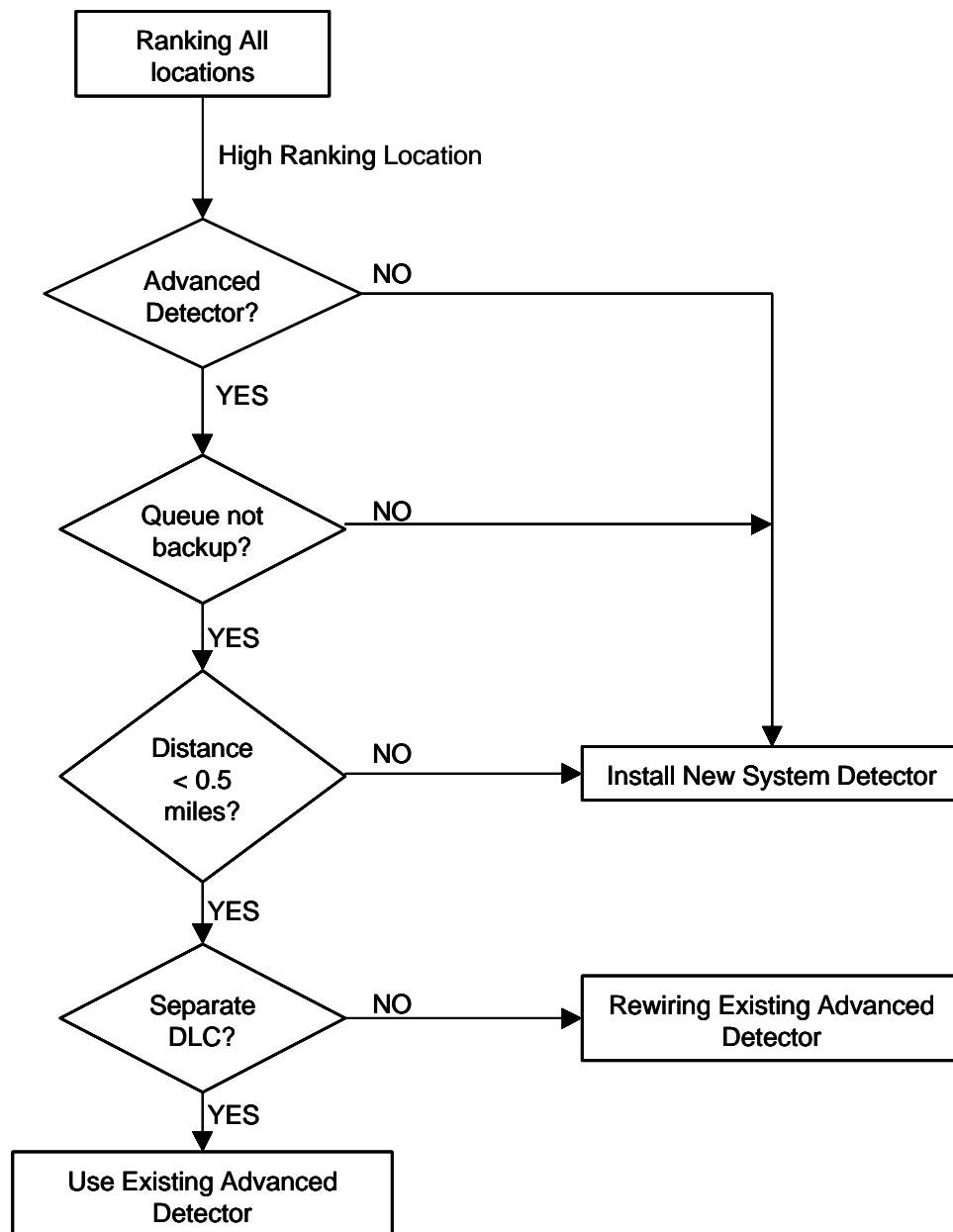


Figure 2-1: System Detector Location Decision Flowchart

Figure 2-2 presents the three different installation scenarios for “High” priority ranking locations as follows:

- If any one of above condition i, ii, iii were not met, it was recommended that new system detector be installed. This is shown in red in Figure 2-2.
- If all the above condition i, ii, iii were met, but the DLC’s are tied together, it was recommended that existing advance detector be rewired. This is shown in blue in Figure 2-2.
- If all the above conditions were met, it was recommended that the existing advance loops be used for system detection. This is shown in green in Figure 2-2.

Data for the existence of advance detector was collected for each of 342 locations at 102 major signalized intersections from the different agencies.

In order to check if the queue develops beyond the position of existing advance detector, the traffic queuing information was collected for each location. For those locations which queuing backup information isn’t available, it was assumed that the queue did not back up over the advance detectors.

Also, in order to check if separate DLC’s exist for each lane, the agencies were asked to provide this information. For those locations for which data was not available, it was assumed the DLC’s are tied together.

Distance between upstream intersection and downstream intersection was measured based on Street98 map software to see if the length of link is less than 0.5 miles. For those locations on the project boundary, it was assumed that distance is less than 0.5 miles.

Appendix D contains the resultant rankings of each location and system detection installation recommendations for “High” priority ranking locations.

2.3 Conclusion:

Based on the above analysis, of the 342 locations analyzed, 111 locations were determined to be high priority locations for system detection placement.

Of these 111 locations, 93 locations were found to have advance detection, 18 locations were found to need to install new system detection. Since there are 2 locations at Garfield Ave. / Firestone Blvd. which have installed Video Detection System, thus 16 locations were found to be candidates for new system detection placement.

Of the 93 locations with advance detection loops, none of the existing advance loops can be used for system detection, at 41 locations, rewiring will be required, and at 52 locations, new system detection is required.

Thus, in all 68 locations will require new system detection. Table 2-2 summarizes these results.

Table 2-2: Summary Results for High Priority Detector Location

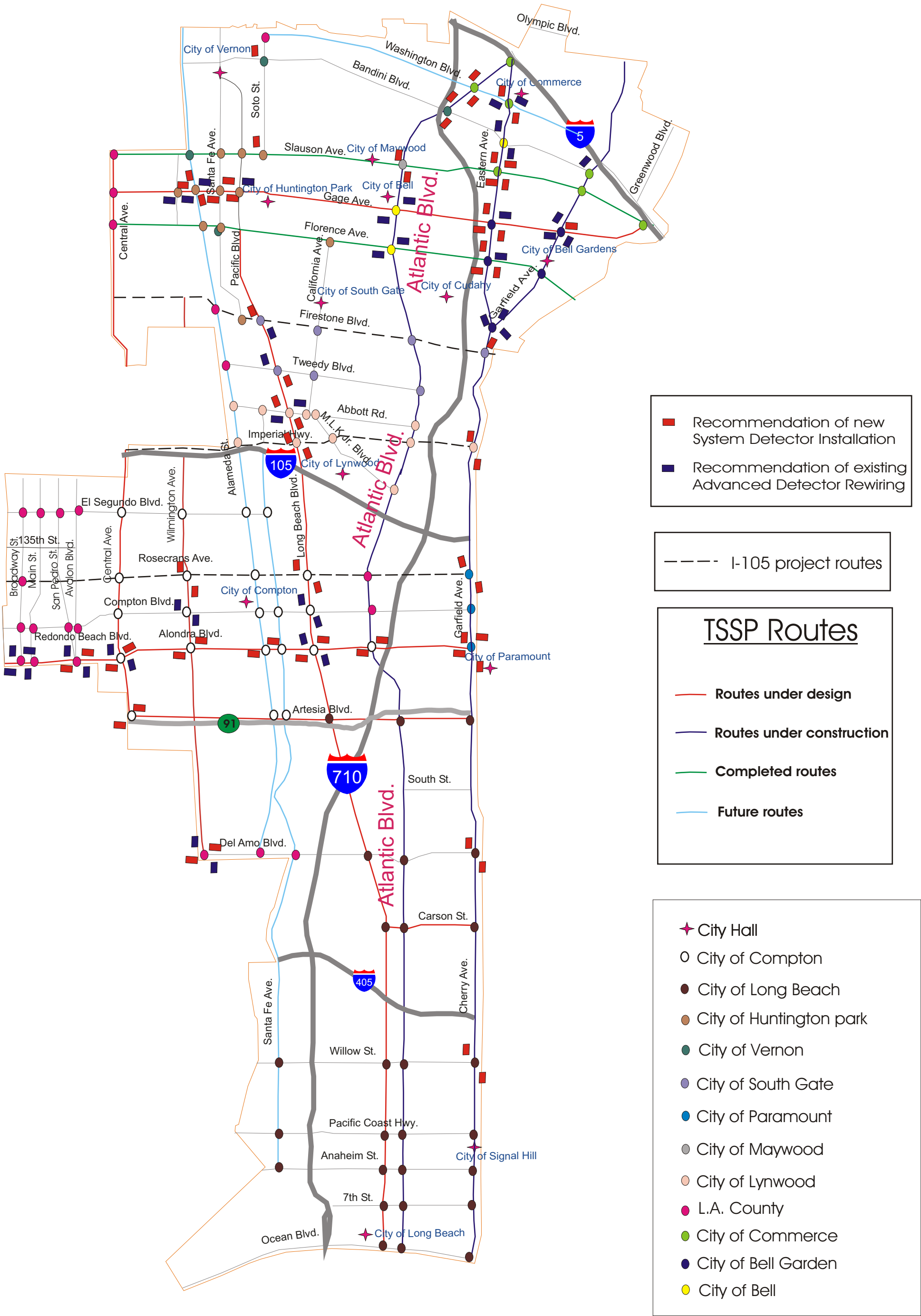
ID	Signal Intersection	Jurisdiction	Approach Direction	Use Existing Advance Detector	Rewiring Existing Advance Detector	Install New System Detector	Approach Direction	Use Existing Advance Detector	Rewiring Existing Advance Detector	Install New System Detector
27	Alameda St. /Gage Ave.	Huntington Park	South	X			North	X		
60	Alondra Blvd. /S. Broadway	County	East		X		West		X	
62	Alondra Blvd. /Avalon Blvd.	County	East	X			West	X		
66	Alondra Blvd. /Central Ave.	Compton	East	X			West	X		
67	Alondra Blvd. /Wilmington Ave.	Compton	East	X			West	X		
D	Alondra Blvd. /Alameda St. West	Compton	East	X			West	X		
D	Alondra Blvd. /Alameda St. East	Compton	East	X			West	X		
76	Alondra Blvd. /Long Beach Blvd.	Compton	East	X			West	X		
80	Alondra Blvd. /Atlantic Ave.	Compton	East	X			West	X		
87	Alondra Blvd. /Garfield Ave.	Paramount	East	X			West	X		
104	Artesia Blvd. /Central Ave	Compton	East	X			West	X		
124	Atlantic Blvd. /Washington Blvd.	Commerce	South	X			North	X		
126	Atlantic Blvd. /Bandini Blvd.	Vernon	South	X			North	X		
131	Atlantic Blvd. /Slauson Ave.	Maywood	South	X			North	X		
D	Avalon Blvd. / Alondra Blvd.	County	South		X		North		X	

ID	Signal Intersection	Jurisdiction	Approach Direction	Use Existing Advance Detector	Rewiring Existing Advance Detector	Install New System Detector	Approach Direction	Use Existing Advance Detector	Rewiring Existing Advance Detector	Install New System Detector
D	S. Broadway /Alondra Blvd.	County	South		X		North		X	
D	Central Ave. / Alondra Blvd.	Compton	South		X		North		X	
267	Cherry Ave. /Del Amo Blvd.	Long Beach	South	X			North	X		
274	Cherry Ave. /Willow St.	Signal Hill	South	X			North	X		
307	Del Amo Blvd. /Wilmington Ave.	County	East	X			West	X		
317	Eastern Ave. /Washington Blvd.	Commerce	South	X			North	X		
D	Eastern Ave. /Bandini Blvd.	Bell	South		X		North		X	
321	Eastern Ave. /Slauson Ave.	Commerce	South	X			North	X		
324	Eastern Ave. /Gage Ave.	Bell Gardens	South	X			North	X		
328	Eastern Ave. /Florence Ave.	Bell Gardens	South	X			North	X		
334	Eastern Ave. /Garfield Ave.	Bell Gardens	South		X		North	X		
D	Florence Ave. /Atlantic Ave.	Bell	East		X		West		X	
D	Florence Ave. /Eastern Ave.	Bell Gardens	East	X			West		X	
381	Gage Ave. /Wilmington Ave.	Huntington Park	East		X		West	X		
D	Gage Ave. /Alameda St.	Huntington Park	East		X		West		X	
382	Gage Ave. /Santa Fe Ave.	Huntington Park	East	X			West	X		
385	Gage Ave. /Pacific Blvd.	Huntington Park	East	X			West		X	
D	Gage Ave. / Atlantic Ave.	Bell	East		X		West		X	

ID	Signal Intersection	Jurisdiction	Approach Direction	Use Existing Advance Detector	Rewiring Existing Advance Detector	Install New System Detector	Approach Direction	Use Existing Advance Detector	Rewiring Existing Advance Detector	Install New System Detector
D	Gage Ave. /Eastern Ave.	Bell Gardens	East	X			West		X	
406	Gage Ave. /Garfield Ave.	Bell Gardens	East		X		West	X		
D	Garfield Ave. /Bandini Blvd.	Commerce	South		X		North			
D	Garfield Ave. /Gage Ave.	Bell Gardens	South		X		North		X	
D	Garfield Ave. /Eastern Ave.	Bell Gardens	South		X		North		X	
420	Garfield Ave. /Firestone Blvd.	South Gate	South	Existing Video Detection System			Existing Video Detection System			
424	Garfield Ave. /Imperial Hwy.	South Gate	South	X			North	X		
432	Garfield Ave. /Rosecrans Ave.	Paramount	South	X			North	X		
D	Garfield Ave. /Alondra Blvd.	Paramount	South	X			North	X		
440	Long Beach Blvd. /Firestone Blvd.	South Gate	South	X			North		X	
443	Long Beach Blvd. /Tweedy Blvd.	South Gate	South		X		North	X		
445	Long Beach Blvd. /M.L.K. Jr. Blvd.	Lynwood	South	X			North	X		
447	Long Beach Blvd. /Imperial Hwy.	Lynwood	South	X			North	X		
457	Long Beach Blvd. /Rosecrans Ave.	Compton	South	X			North	X		

ID	Signal Intersection	Jurisdiction	Approach Direction	Use Existing Advance Detector	Rewiring Existing Advance Detector	Install New System Detector	Approach Direction	Use Existing Advance Detector	Rewiring Existing Advance Detector	Install New System Detector
D	Long Beach Blvd. /Compton Blvd.	Compton	South		X		North		X	
D	Long Beach Blvd. /Alondra Blvd.	Compton	South		X		North		X	
D	M.L.K. Jr. Blvd. /Long Beach Blvd.	Lynwood	East		X		West		X	
D	Slauson Ave. /Eastern Ave.	Commerce	East	X			West	X		
D	Soto St. /Bandini Blvd.	Vernon	South	X			North			
D	Soto St. /Slauson Ave.	Huntington Park	South	X			North			
D	Washington Blvd. /Eastern Ave.	Commerce	East		X		West		X	
670	Wilmington Ave. /Rosecrans Ave.	Compton	South	X			North	X		
D	Wilmington Ave. /Compton Blvd.	Compton	South		X		North		X	
D	Wilmington Ave. /Del Amo Blvd.	County	South		X		North		X	

Figure 2-2: Atlantic Blvd. /I-710 Corridor Project Area Showing Installation Scenarios for High Priority System Detection Locations



Appendix A: Summary of Data Collection and Extrapolation

1. TSSP Data

Data Requirements: Intersection list identified in the TSSP Program from Los Angeles County.

Data Sources: TSSP Route list from Los Angeles County provided by Fernando Villaluna

Results: Signalized intersections in the project area, which are identified in the TSSP Route from Los Angeles County.

2. Level Of Service Data

Data Requirements: LOS data for each link.

Data Extrapolation:

In order to keep the data consistent over all intersections, LOS calculations were made as follows:

1. Maximum Directional Volume = Average Daily Traffic Volume for one link in one direction.
2. Obtain the peak hour volume as;
Max. Directional Volume*0.1
3. Calculate Capacity as;
Number of lanes*800
4. Calculate V/C Ratio by dividing Peak Hour Volume by Capacity
5. Assign LOS values as follows:

V/C Ratio	LOS
0 – 0.60	A
0.601 – 0.70	B
0.701 – 0.80	C
0.801 – 0.90	D
0.901 – 1.00	E
Over 1.001	F

LOS Calculation Example:

Signal Location: Atlantic Blvd. / Imperial Hwy.

Approach Direction: South. Approach Name: N/O Imperial Hwy.

Approach Volume=10985 veh

Approach Lane Number=2

1. Max Approach Volume = 10985 veh.
2. Peak Hour Volume: $10985 \times 0.1 = 1099$
3. Capacity: $800 \times 2 = 1600$
4. V/C Ratio for Approach: $1099 / 1600 = 0.69$

Because 0.69 is greater than 0.601 and less than 0.70, the LOS = B

3. Average Daily Traffic Data (Link Volume in one direction)

Data Requirements: Approach (In EB, In NB, In WB, In SB) Daily Traffic Volumes.

Data Sources:

1. County of Los Angeles Department of Public Works
Data provider: Fernando Villaluna: 626-300-2030
County provided the Traffic Volumes retrieved from L.A. County database. It covers traffic volume counts taken by the County of Los Angeles DPW during the years of 1997 through 2005.
The traffic volume included most of the unincorporated areas of the County and some of the cities in the project areas.
All are approach traffic counts.
2. City of Bell
Data provider: Luis Ramirez: 323-588-6211. ext. 220
Data provided for years 1998 and 2002.
Approach traffic counts provided for intersections in the Project area. Other intersections data was supplemented by County Data.
3. City of Bell Gardens
Data provider: Ishtiaque Ahmed from AAE: 714-940-0100
Data provided for years 2004
Approach traffic counts provided for intersections in the Project area. Other intersections data was supplemented by County Data.
4. City of Commerce
Data provider: Victor San Lucas: 323-722-4805 ext 2206
Data provided for years 2004
Approach traffic counts provided for Atlantic Blvd. /Washington Blvd. vOther intersections data was supplemented by County Data.
5. City of Compton
Data provider: Sarakki Associates: 949-851-3000
Data provided for years 2001
Section (Link) volume data provided for some links and being populated to approach volume. Other intersections data was supplemented by County Data.
6. City of Huntington Park
Data provider: Patrick Fu: 323-584-6253
Data provided for years 2001
Approach traffic counts provided for intersections in the Project area. Other intersections data was supplemented by County Data.
7. City of Long Beach
Data provider: Ed Norris: 562-570-5209
Data provided for years 1998, 2000 and 2002

Approach traffic counts provided for intersections in the Project area. Other intersections data was supplemented by County Data.

8. City of Lynwood
Data provider: Helen Sanchez: 310-603-0220 ext 287
Data provided for years 1997
Approach traffic counts provided for intersections in the Project area. Other intersections data was supplemented by County Data
9. City of Maywood
No data available for Project intersections.
Data provided by County were used for analysis.
10. City of Paramount
Data provider: Bill Pagett: 562-220-2108
Data provided for years 2001
Approach traffic counts provided for Alondra Blvd. / Garfield Ave. Other intersections data was supplemented by County Data
11. City of South Gate
Data provider: Abdulla Ahmed: 323-563-9581
Data provided for years 2002
Approach traffic counts provided for intersections in the Project area. Other intersections data was supplemented by County Data
12. City of Vernon
Data provider: Sherwood Natsuhara: 323-583-8811 ext 305
Data provided for years 1998
Approach traffic counts provided for intersections in the Project area. Other intersections data was supplemented by County Data

Data Extrapolation:

- In cases when only section volume data was available, all intersections within the section were populated with the available volume data. To estimate approach volumes, the link volumes were halved.
- If data was available for the same location from more than one source, the latest data was used.
- If data was available only for one approach of a pair, (e.g. EB in an EB/WB direction), the data for the opposite approach (WB) was assumed to be same.
- If data was unavailable for all the previous conditions, the same direction data from upstream intersection was used.
- Raw data were normalized to the year 2002 by applying an annual growth factor of 1.4%.

Appendix B: Raw Data, Factor Scores, Weighted Scores and Location Scores

ID	Signal Intersection	APPROACH NAME		TSSP (Weight = 5)			AVERAGE DAILY TRAFFIC VOLUME FOR EACH LINK (Weight = 3)				LOS (Weight = 4)			Location Score	APPROACH NAME		TSSP (Weight = 5)			AVERAGE DAILY TRAFFIC VOLUME FOR EACH LINK (Weight = 3)				LOS (Weight =4)			Location Score
		Direction	Name	TSSP	Raw Score	Weighted Score	Link Volume	Raw Score	Weighted Score	Lane Number	LOS	Raw Score	Weighted Score	Rank Score	Direction	Name	TSSP	Raw Score	Weighted Score	Link Volume	Raw Score	Weighted Score	Lane Number	LOS	Raw Score	Weighted Score	Rank Score
7	7th St. /Long Beach Blvd.	East	W/O Long Beach Blvd.	NO	0	0	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	West	E/O Long Beach Blvd.	NO	0	0	15,657	2	6	3	B	1	4	10
10	7th St. /Atlantic Ave.	East	W/O Atlantic Ave.	NO	0	0	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	West	E/O Atlantic Ave.	NO	0	0	15,657	2	6	3	B	1	4	10
19	Abbott Rd. /Atlantic Ave.	East	W/O Atlantic Ave.	NO	0	0	6,104	1	3	2	A	1	4	7	West	E/O Atlantic Ave.	NO	0	0	6,425	1	3	2	A	1	4	7
27	Alameda St. /Gage Ave.	South	N/O Gage Ave.	YES	4	20	10,577	2	6	2	B	1	4	30	North	S/O Gage Ave.	YES	4	20	10,654	2	6	2	B	1	4	30
29	Alameda St. /Florence Ave.	South	N/O Florence Ave.	NO	0	0	11,686	2	6	2	C	1	4	10	North	S/O Florence Ave.	NO	0	0	10,936	2	6	2	B	1	4	10
32	Alameda St. /Firestone Blvd.	South	N/O Firestone Blvd.	NO	0	0	11,686	2	6	2	C	1	4	10	North	S/O Firestone Blvd.	NO	0	0	10,936	2	6	2	B	1	4	10
38	Alameda St. /Imperial Hwy.	South	N/O Imperial Hwy.	NO	0	0	14,953	2	6	2	E	3	12	18	North	S/O Imperial Hwy.	NO	0	0	13,637	2	6	2	D	2	8	14
43	Alameda St. /El Segundo Blvd.	South	N/O El Segundo Blvd.	NO	0	0	7,383	1	3	2	A	1	4	7	North	S/O El Segundo Blvd.	NO	0	0	8,368	1	3	2	A	1	4	7
46	Alameda St. /Rosecrans Ave.	South	N/O Rosecrans Ave.	NO	0	0	7,470	1	3	2	A	1	4	7	North	S/O Rosecrans Ave.	NO	0	0	7,470	1	3	2	A	1	4	7
49	Alameda St. /Compton Blvd.	South	N/O Compton Blvd.	NO	0	0	7,470	1	3	2	A	1	4	7	North	S/O Compton Blvd.	NO	0	0	7,470	1	3	2	A	1	4	7
51	Alameda St. /Alondra Blvd.	South	N/O Alondra Blvd.	NO	0	0	5,969	1	3	2	A	1	4	7	North	S/O Alondra Blvd.	NO	0	0	5,969	1	3	2	A	1	4	7
58	Alameda St. /Del Amo Blvd.	South	N/O Del Amo Blvd.	NO	0	0	4,639	1	3	2	A	1	4	7	North	S/O Del Amo Blvd.	NO	0	0	5,111	1	3	2	A	1	4	7
60	Alondra Blvd. /S. Broadway	East	W/O S.Broadway	YES	4	20	4,392	1	3	3	A	1	4	27	West	E/O S.Broadway	YES	4	20	6,128	1	3	3	A	1	4	27
62	Alondra Blvd. /Avalon Blvd.	East	W/O Avalon Blvd.	YES	4	20	6,326	1	3	3	A	1	4	27	West	E/O Avalon Blvd.	YES	4	20	6,357	1	3	3	A	1	4	27
66	Alondra Blvd. /Central Ave.	East	W/O Central Ave.	YES	4	20	11,292	2	6	2	C	1	4	30	West	E/O Central Ave.	YES	4	20	11,292	2	6	2	C	1	4	30
67	Alondra Blvd. /Wilmington Ave.	East	W/O Wilmington Ave.	YES	4	20	11,292	2	6	2	C	1	4	30	West	E/O Wilmington Ave.	YES	4	20	11,292	2	6	2	C	1	4	30
D	Alondra Blvd. /Alameda St. West	East	W/O Alameda St. West	YES	4	20	11,292	2	6	2	C	1	4	30	West	E/O Alameda St. West	YES	4	20	12,615	2	6	2	C	1	4	30
D	Alondra Blvd. /Alameda St. East	East	W/O Alameda St. East	YES	4	20	11,292	2	6	2	C	1	4	30	West	E/O Alameda St. East	YES	4	20	12,615	2	6	2	C	1	4	30
76	Alondra Blvd. /Long Beach Blvd.	East	W/O Long Beach Blvd.	YES	4	20	12,615	2	6	2	C	1	4	30	West	E/O Long Beach Blvd.	YES	4	20	22,325	3	9	2	F	4	16	45
80	Alondra Blvd. /Atlantic Ave.	East	W/O Atlantic Ave.	YES	4	20	22,325	3	9	2	F	4	16	45	West	E/O Atlantic Ave.	YES	4	20	22,325	3	9	2	F	4	16	45
87	Alondra Blvd. /Garfield Ave.	East	W/O Garfield Ave.	YES	4	20	11,209	2	6	3	A	1	4	30	West	E/O Garfield Ave.	YES	4	20	12,739	2	6	3	A	1	4	30
88	Anaheim St. /Santa Fe Ave.	East	W/O Santa Fe Ave.	NO	0	0	17,027	2	6	3	C	1	4	10	West	E/O Santa Fe Ave.	NO	0	0	18,107	2	6	3	C	1	4	10
96	Anaheim St. /Long Beach Blvd.	East	W/O Long Beach Blvd.	NO	0	0	12,754	2	6	3	A	1	4	10	West	E/O Long Beach Blvd.	NO	0	0	12,733	2	6	2	C	1	4	10
97	Anaheim St. /Atlantic Ave.	East	W/O Atlantic Ave.	NO	0	0	12,754	2	6	2	C	1	4	10	West	E/O Atlantic Ave.	NO	0	0	12,733	2	6	2	C	1	4	10
104	Artesia Blvd. /Central Ave	East	W/O Central Ave.	NO	0	0	24,835	3	9	2	F	4	16	25	West	E/O Central Ave.	NO	0	0	24,835	3	9	2	F	4	16	25
120	Atlantic Blvd. /Eastern Ave.	South	N/O Eastern Ave.	NO	0	0	9,384	1	3	2	A	1	4	7	North	S/O Eastern Ave.	NO	0	0	8,419	1	3	3	A	1	4	7
124	Atlantic Blvd. /Washington Blvd.	South	N/O Washington Blvd.	NO	0	0	26,685	3	9	2	F	4	16	25	North	S/O Washington Blvd.	NO	0	0	32,232	4	12	2	F	4	16	28

ID	Signal Intersection	APPROACH NAME		TSSP (Weight = 5)			AVERAGE DAILY TRAFFIC VOLUME FOR EACH LINK (Weight = 3)				LOS (Weight = 4)			Location Score	APPROACH NAME		TSSP (Weight = 5)			AVERAGE DAILY TRAFFIC VOLUME FOR EACH LINK (Weight = 3)				LOS (Weight =4)			Location Score
		Direction	Name	TSSP	Raw Score	Weighted Score	Link Volume	Raw Score	Weighted Score	Lane Number	LOS	Raw Score	Weighted Score	Rank Score	Direction	Name	TSSP	Raw Score	Weighted Score	Link Volume	Raw Score	Weighted Score	Lane Number	LOS	Raw Score	Weighted Score	Rank Score
126	Atlantic Blvd. /Bandini Blvd.	South	N/O Bandini Blvd.	NO	0	0	26,685	3	9	2	F	4	16	25	North	S/O Bandini Blvd.	NO	0	0	32,232	4	12	2	F	4	16	28
131	Atlantic Blvd. /Slauson Ave.	South	N/O Slauson Ave.	NO	0	0	26,685	3	9	2	F	4	16	25	North	S/O Slauson Ave.	NO	0	0	32,232	4	12	2	F	4	16	28
135	Atlantic Ave. /Gage Ave.	South	N/O Gage Ave.	NO	0	0	12,459	2	6	2	C	1	4	10	North	S/O Gage Ave.	NO	0	0	13,011	2	6	2	D	2	8	14
139	Atlantic Ave. / Florence Ave.	South	N/O Florence Ave.	NO	0	0	14,079	2	6	2	D	2	8	14	North	S/O Florence Ave.	NO	0	0	13,394	2	6	2	D	2	8	14
146	Atlantic Ave. /Firestone Blvd.	South	N/O Firestone Blvd.	NO	0	0	9,620	1	3	2	B	1	4	7	North	S/O Firestone Blvd.	NO	0	0	9,287	1	3	2	A	1	4	7
D	Atlantic Ave. /Abbott Rd.	South	N/O Abbott Rd.	NO	0	0	9,663	1	3	2	B	1	4	7	North	S/O Abbott Rd.	NO	0	0	10,309	2	6	2	B	1	4	10
150	Atlantic Ave. /Imperial Hwy.	South	N/O Imperial Hwy.	NO	0	0	10,985	2	6	2	B	1	4	10	North	S/O Imperial Hwy.	NO	0	0	8,539	1	3	2	A	1	4	7
153	Atlantic Ave. /M.L.K. Jr. Blvd.	South	N/O M.L.K.Jr. Blvd.	NO	0	0	8,688	1	3	2	A	1	4	7	North	S/O M.L.K.Jr. Blvd.	NO	0	0	11,189	2	6	2	B	1	4	10
159	Atlantic Ave. /Rosecrans Ave.	South	N/O Rosecrans Ave.	NO	0	0	12,323	2	6	2	C	1	4	10	North	S/O Rosecrans Ave.	NO	0	0	9,132	1	3	3	A	1	4	7
161	Atlantic Ave. /Compton Blvd.	South	N/O Compton Blvd.	NO	0	0	9,205	1	3	2	A	1	4	7	North	S/O Compton Blvd.	NO	0	0	9,799	1	3	2	B	1	4	7
D	Atlantic Ave. /Alondra Blvd.	South	N/O Alondra Blvd.	NO	0	0	9,687	1	3	2	B	1	4	7	North	S/O Alondra Blvd.	NO	0	0	10,029	2	6	2	B	1	4	10
172	Atlantic Ave. /Del Amo Blvd.	South	N/O Del Amo Blvd.	NO	0	0	18,959	2	6	2	F	4	16	22	North	S/O Del Amo Blvd.	NO	0	0	11,958	2	6	2	C	1	4	10
D	Atlantic Ave. /Anaheim St.	South	N/O Anaheim St.	NO	0	0	12,717	2	6	2	C	1	4	10	North	S/O Anaheim St.	NO	0	0	12,731	2	6	2	C	1	4	10
D	Atlantic Ave. /7th St.	South	N/O 7th St.	NO	0	0	12,717	2	6	2	C	1	4	10	North	S/O 7th St.	NO	0	0	12,731	2	6	2	C	1	4	10
204	Avalon Blvd. / El Segundo Blvd.	South	N/O El Segundo Blvd.	NO	0	0	7,612	1	3	2	A	1	4	7	North	S/O El Segundo Blvd.	NO	0	0	9,235	1	3	2	A	1	4	7
207	Avalon Blvd. / Rosecrans Ave.	South	N/O Rosecrans Ave.	NO	0	0	7,612	1	3	2	A	1	4	7	North	S/O Rosecrans Ave.	NO	0	0	9,235	1	3	2	A	1	4	7
208	Avalon Blvd. / Compton Blvd.	South	N/O Compton Blvd.	NO	0	0	7,418	1	3	2	A	1	4	7	North	S/O Compton Blvd.	NO	0	0	8,917	1	3	2	A	1	4	7
209	Avalon Blvd. / Redondo Beach Blvd.	South	N/O Redondo Beach Blvd.	NO	0	0	9,011	1	3	2	A	1	4	7	North	S/O Redondo Beach Blvd.	NO	0	0	10,223	2	6	2	B	1	4	10
D	Avalon Blvd. / Alondra Blvd.	South	N/O Alondra Blvd.	YES	4	20	11,677	2	6	3	A	1	4	30	North	S/O Alondra Blvd.	YES	4	20	13,394	2	6	3	A	1	4	30
210	Bandini Blvd. /Soto St.	East	W/O Soto St.	NO	0	0	12,629	2	6	3	A	1	4	10	West	E/O Soto St.	NO	0	0	11,318	2	6	3	A	1	4	10
D	Bandini Blvd. /Atlantic Blvd.	East	W/O Atlantic Blvd.	NO	0	0	18,049	2	6	3	C	1	4	10	West	E/O Atlantic Blvd.	NO	0	0	18,430	2	6	1	F	4	16	22
218	Bandini Blvd. /Eastern Ave.	East	W/O Eastern Ave.	NO	0	0	14,251	2	6	2	D	2	8	14	West	E/O Eastern Ave.	NO	0	0	11,452	2	6	3	A	1	4	10
220	Bandini Blvd. /Garfield Ave.	East	W/O Garfield Ave.	NO	0	0	13,229	2	6	2	D	2	8	14	West	E/O Garfield Ave.	NO	0	0	8,827	1	3	2	A	1	4	7
221	S. Broadway /El Segundo Blvd.	South	N/O El Segundo Blvd.	NO	0	0	3,493	1	3	2	A	1	4	7	North	S/O El Segundo Blvd.	NO	0	0	4,592	1	3	2	A	1	4	7
223	S. Broadway /Rosecrans Ave.	South	N/O Rosecrans Ave.	NO	0	0	4,858	1	3	2	A	1	4	7	North	S/O Rosecrans Ave.	NO	0	0	4,954	1	3	2	A	1	4	7
224	S. Broadway /Compton Blvd.	South	N/O Compton Blvd.	NO	0	0	3,992	1	3	2	A	1	4	7	North	S/O Compton Blvd.	NO	0	0	4,143	1	3	2	A	1	4	7
225	S. Broadway /Redondo Beach Blvd.	South	N/O Redondo Beach Blvd.	NO	0	0	4,387	1	3	2	A	1	4	7	North	S/O Redondo Beach Blvd.	NO	0	0	4,145	1	3	2	A	1	4	7
D	S. Broadway /Alondra Blvd.	South	N/O Alondra Blvd.	YES	4	20	4,387	1	3	2	A	1	4	27	North	S/O Alondra Blvd.	YES	4	20	4,145	1	3	2	A	1	4	27

ID	Signal Intersection	APPROACH NAME		TSSP (Weight = 5)			AVERAGE DAILY TRAFFIC VOLUME FOR EACH LINK (Weight = 3)				LOS (Weight = 4)			Location Score	APPROACH NAME		TSSP (Weight = 5)			AVERAGE DAILY TRAFFIC VOLUME FOR EACH LINK (Weight = 3)				LOS (Weight =4)			Location Score
		Direction	Name	TSSP	Raw Score	Weighted Score	Link Volume	Raw Score	Weighted Score	Lane Number	LOS	Raw Score	Weighted Score	Rank Score	Direction	Name	TSSP	Raw Score	Weighted Score	Link Volume	Raw Score	Weighted Score	Lane Number	LOS	Raw Score	Weighted Score	Rank Score
227	California Ave. /Florence Ave.	South	N/O Florence Ave.	NO	0	0	6,735	1	3	1	D	2	8	11	North	S/O Florence Ave.	NO	0	0	7,861	1	3	1	E	3	12	15
252	Central Ave. /El Segundo Blvd.	South	N/O El Segundo Blvd.	NO	0	0	13,766	2	6	2	D	2	8	14	North	S/O El Segundo Blvd.	NO	0	0	14,828	2	6	2	E	3	12	18
254	Central Ave. / Rosecrans Ave.	South	N/O Rosecrans Ave.	NO	0	0	11,868	2	6	2	C	1	4	10	North	S/O Rosecrans Ave.	NO	0	0	12,184	2	6	2	C	1	4	10
256	Central Ave. / Compton Blvd.	South	N/O Compton Blvd.	NO	0	0	12,967	2	6	2	D	2	8	14	North	S/O Compton Blvd.	NO	0	0	12,967	2	6	2	D	2	8	14
D	Central Ave. / Alondra Blvd.	South	N/O Alondra Blvd.	YES	4	20	16,184	2	6	2	F	4	16	42	North	S/O Alondra Blvd.	YES	4	20	16,184	2	6	2	F	4	16	42
267	Cherry Ave. /Del Amo Blvd.	South	N/O Del Amo Blvd.	YES	4	20	14,939	2	6	3	B	1	4	30	North	S/O Del Amo Blvd.	YES	4	20	14,010	2	6	3	A	1	4	30
274	Cherry Ave. /Willow St.	South	N/O Willow St.	YES	4	20	14,939	2	6	3	B	1	4	30	North	S/O Willow St.	YES	4	20	14,010	2	6	2	D	2	8	34
D	Compton Blvd. /S. Broadway	East	W/O S.Broadway	NO	0	0	2,434	1	3	2	A	1	4	7	West	E/O S.Broadway	NO	0	0	3,050	1	3	2	A	1	4	7
285	Compton Blvd. /Main St.	East	W/O Main St.	NO	0	0	2,497	1	3	2	A	1	4	7	West	E/O Main St.	NO	0	0	3,710	1	3	2	A	1	4	7
286	Compton Blvd. /San Pedro St.	East	W/O San Pedro St.	NO	0	0	2,434	1	3	2	A	1	4	7	West	E/O San Pedro St.	NO	0	0	3,050	1	3	2	A	1	4	7
D	Compton Blvd. /Avalon Blvd.	East	W/O Avalon Blvd.	NO	0	0	3,051	1	3	2	A	1	4	7	West	E/O Avalon Blvd.	NO	0	0	3,468	1	3	2	A	1	4	7
D	Compton Blvd. /Central Ave.	East	W/O Central Ave.	NO	0	0	12,058	2	6	2	C	1	4	10	West	E/O Central Ave.	NO	0	0	12,058	2	6	2	C	1	4	10
290	Compton Blvd. /Wilmington Ave.	East	W/O Wilmington Ave.	NO	0	0	12,058	2	6	2	C	1	4	10	West	E/O Wilmington Ave.	NO	0	0	13,320	2	6	3	A	1	4	10
D	Compton Blvd. /Alameda St. West	East	W/O Alameda St. West	NO	0	0	18,588	2	6	2	F	4	16	22	West	E/O Alameda St. West	NO	0	0	18,588	2	6	2	F	4	16	22
D	Compton Blvd. /Alameda St. East	East	W/O Alameda St. East	NO	0	0	18,588	2	6	2	F	4	16	22	West	E/O Alameda St. East	NO	0	0	18,588	2	6	2	F	4	16	22
296	Compton Blvd. /Santa Fe Ave.	East	W/O Santa Fe Ave.	NO	0	0	11,104	2	6	2	B	1	4	10	West	E/O Santa Fe Ave.	NO	0	0	11,921	2	6	2	C	1	4	10
298	Compton Blvd. /Long Beach Blvd.	East	W/O Long Beach Blvd.	NO	0	0	11,921	2	6	3	A	1	4	10	West	E/O Long Beach Blvd.	NO	0	0	11,921	2	6	2	C	1	4	10
D	Compton Blvd. /Atlantic Ave.	East	W/O Atlantic Ave.	NO	0	0	10,495	2	6	2	B	1	4	10	West	E/O Atlantic Ave.	NO	0	0	8,268	1	3	2	A	1	4	7
306	Somerset Blvd. /Garfield Ave.	East	W/O Garfield Ave.	NO	0	0	11,209	2	6	2	C	1	4	10	West	E/O Garfield Ave.	NO	0	0	12,739	2	6	2	C	1	4	10
307	Del Amo Blvd. /Wilmington Ave.	East	W/O Wilmington Ave.	YES	4	20	6,733	1	3	3	A	1	4	27	West	E/O Wilmington Ave.	YES	4	20	8,464	1	3	2	A	1	4	27
D	Del Amo Blvd. /Alameda St.	East	W/O Alameda St.	NO	0	0	4,902	1	3	3	A	1	4	7	West	E/O Alameda St.	NO	0	0	9,954	1	3	3	A	1	4	7
308	Del Amo Blvd. /Santa Fe Ave.	East	W/O Santa Fe Ave.	NO	0	0	9,009	1	3	3	A	1	4	7	West	E/O Santa Fe Ave.	NO	0	0	19,239	2	6	3	D	2	8	14
312	Del Amo Blvd. /Long Beach Blvd.	East	W/O Long Beach Blvd.	NO	0	0	17,072	2	6	3	C	1	4	10	West	E/O Long Beach Blvd.	NO	0	0	16,807	2	6	3	C	1	4	10
D	Del Amo Blvd. /Atlantic Ave.	East	W/O Atlantic Ave.	NO	0	0	17,072	2	6	3	C	1	4	10	West	E/O Atlantic Ave.	NO	0	0	16,807	2	6	3	C	1	4	10
D	Del Amo Blvd. /Cherry Ave.	East	W/O Cherry Ave.	NO	0	0	17,072	2	6	3	C	1	4	10	West	E/O Cherry Ave.	NO	0	0	16,807	2	6	3	C	1	4	10
D	Eastern Ave. /Atlantic Blvd.	South	N/O Atlantic Blvd.	NO	0	0	9,384	1	3	2	A	1	4	7	North	S/O Atlantic Blvd.	NO	0	0	8,419	1	3	3	A	1	4	7
317	Eastern Ave. /Washington Blvd.	South	N/O Washington Blvd.	YES	4	20	11,128	2	6	3	A	1	4	30	North	S/O Washington Blvd.	YES	4	20	11,798	2	6	2	C	1	4	30
D	Eastern Ave. /Bandini Blvd.	South	N/O Bandini Blvd.	YES	4	20	11,128	2	6	2	B	1	4	30	North	S/O Bandini Blvd.	YES	4	20	11,798	2	6	2	C	1	4	30

ID	Signal Intersection	APPROACH NAME		TSSP (Weight = 5)			AVERAGE DAILY TRAFFIC VOLUME FOR EACH LINK (Weight = 3)				LOS (Weight = 4)			Location Score	APPROACH NAME		TSSP (Weight = 5)			AVERAGE DAILY TRAFFIC VOLUME FOR EACH LINK (Weight = 3)				LOS (Weight =4)			Location Score
		Direction	Name	TSSP	Raw Score	Weighted Score	Link Volume	Raw Score	Weighted Score	Lane Number	LOS	Raw Score	Weighted Score	Rank Score	Direction	Name	TSSP	Raw Score	Weighted Score	Link Volume	Raw Score	Weighted Score	Lane Number	LOS	Raw Score	Weighted Score	Rank Score
321	Eastern Ave. /Slauson Ave.	South	N/O Slauson Ave.	YES	4	20	13,917	2	6	2	D	2	8	34	North	S/O Slauson Ave.	YES	4	20	13,509	2	6	2	D	2	8	34
324	Eastern Ave. /Gage Ave.	South	N/O Gage Ave.	YES	4	20	11,228	2	6	2	C	1	4	30	North	S/O Gage Ave.	YES	4	20	10,650	2	6	2	B	1	4	30
328	Eastern Ave. /Florence Ave.	South	N/O Florence Ave.	YES	4	20	12,726	2	6	3	A	1	4	30	North	S/O Florence Ave.	YES	4	20	10,803	2	6	2	B	1	4	30
334	Eastern Ave. /Garfield Ave.	South	N/O Garfield Ave.	YES	4	20	12,726	2	6	2	C	1	4	30	North	S/O Garfield Ave.	YES	4	20	10,803	2	6	2	B	1	4	30
D	El Segundo Blvd. /S. Broadway	East	W/O S.Broadway	NO	0	0	14,863	2	6	2	E	3	12	18	West	E/O S.Broadway	NO	0	0	11,779	2	6	3	A	1	4	10
335	El Segundo Blvd. /Main St.	East	W/O Main St.	NO	0	0	12,089	2	6	2	C	1	4	10	West	E/O Main St.	NO	0	0	11,092	2	6	3	A	1	4	10
336	El Segundo Blvd. /San Pedro St.	East	W/O San Pedro St.	NO	0	0	11,272	2	6	3	A	1	4	10	West	E/O San Pedro St.	NO	0	0	10,539	2	6	3	A	1	4	10
D	El Segundo Blvd. /Avalon Blvd.	East	W/O Avalon Blvd.	NO	0	0	11,272	2	6	3	A	1	4	10	West	E/O Avalon Blvd.	NO	0	0	10,539	2	6	3	A	1	4	10
D	El Segundo Blvd. /Central Ave.	East	W/O Central Ave.	NO	0	0	11,476	2	6	1	F	4	16	22	West	E/O Central Ave.	NO	0	0	11,476	2	6	1	F	4	16	22
342	El Segundo Blvd. /Wilmington Ave.	East	W/O Wilmington Ave.	NO	0	0	8,125	1	3	2	A	1	4	7	West	E/O Wilmington Ave.	NO	0	0	7,220	1	3	2	A	1	4	7
D	El Segundo Blvd. /Alameda St.	East	W/O Alameda St.	NO	0	0	6,527	1	3	2	A	1	4	7	West	E/O Alameda St.	NO	0	0	7,792	1	3	2	A	1	4	7
D	Florence Ave. /Alameda St.	East	W/O Alameda St.	NO	0	0	14,317	2	6	2	D	2	8	14	West	E/O Alameda St.	NO	0	0	16,399	2	6	2	F	4	16	22
355	Florence Ave. /Santa Fe Ave.	East	W/O Santa Fe Ave.	NO	0	0	14,548	2	6	2	E	3	12	18	West	E/O Santa Fe Ave.	NO	0	0	14,763	2	6	2	E	3	12	18
D	Florence Ave. /Atlantic Ave.	East	W/O Atlantic Ave.	NO	0	0	22,575	3	9	2	F	4	16	25	West	E/O Atlantic Ave.	NO	0	0	22,768	3	9	2	F	4	16	25
D	Florence Ave. /Eastern Ave.	East	W/O Eastern Ave.	YES	4	20	35,469	4	12	2	F	4	16	48	West	E/O Eastern Ave.	YES	4	20	30,480	4	12	2	F	4	16	48
374	Florence Ave. /Garfield Ave.	East	W/O Garfield Ave.	NO	0	0	15,968	2	6	3	B	1	4	10	West	E/O Garfield Ave.	NO	0	0	17,895	2	6	3	C	1	4	10
381	Gage Ave. /Wilmington Ave.	East	W/O Wilmington Ave.	YES	4	20	10,485	2	6	2	B	1	4	30	West	E/O Wilmington Ave.	YES	4	20	10,143	2	6	2	B	1	4	30
D	Gage Ave. /Alameda St.	East	W/O Alameda St.	YES	4	20	10,039	2	6	2	B	1	4	30	West	E/O Alameda St.	YES	4	20	10,039	2	6	2	B	1	4	30
382	Gage Ave. /Santa Fe Ave.	East	W/O Santa Fe Ave.	YES	4	20	10,428	2	6	2	B	1	4	30	West	E/O Santa Fe Ave.	YES	4	20	10,852	2	6	2	B	1	4	30
385	Gage Ave. /Pacific Blvd.	East	W/O Pacific Blvd.	YES	4	20	8,911	1	3	2	A	1	4	27	West	E/O Pacific Blvd.	YES	4	20	11,480	2	6	2	C	1	4	30
D	Gage Ave. / Atlantic Ave.	East	W/O Atlantic Ave.	YES	4	20	15,738	2	6	2	E	3	12	38	West	E/O Atlantic Ave.	YES	4	20	15,099	2	6	2	E	3	12	38
D	Gage Ave. /Eastern Ave.	East	W/O Eastern Ave.	YES	4	20	14,313	2	6	2	D	2	8	34	West	E/O Eastern Ave.	YES	4	20	12,256	2	6	2	C	1	4	30
406	Gage Ave. /Garfield Ave.	East	W/O Garfield Ave.	YES	4	20	13,120	2	6	2	D	2	8	34	West	E/O Garfield Ave.	YES	4	20	10,495	2	6	2	B	1	4	30
D	Garfield Ave. /Bandini Blvd.	South	N/O Bandini Blvd.	NO	0	0	22,512	3	9	2	F	4	16	25	North	S/O Bandini Blvd.	NO	0	0	16,417	2	6	2	F	4	16	22
411	Garfield Ave. /Slauson Ave.	South	N/O Slauson Ave.	NO	0	0	13,150	2	6	2	D	2	8	14	North	S/O Slauson Ave.	NO	0	0	12,587	2	6	2	C	1	4	10
D	Garfield Ave. /Gage Ave.	South	N/O Gage Ave.	YES	4	20	14,248	2	6	2	D	2	8	34	North	S/O Gage Ave.	YES	4	20	11,669	2	6	2	C	1	4	30
D	Garfield Ave. /Florence Ave.	South	N/O Florence Ave.	NO	0	0	9,042	1	3	2	A	1	4	7	North	S/O Florence Ave.	NO	0	0	9,191	1	3	2	A	1	4	7
D	Garfield Ave. /Eastern Ave.	South	N/O Eastern Ave.	YES	4	20	12,726	2	6	2	C	1	4	30	North	S/O Eastern Ave.	YES	4	20	10,803	2	6	2	B	1	4	30

ID	Signal Intersection	APPROACH NAME		TSSP (Weight = 5)			AVERAGE DAILY TRAFFIC VOLUME FOR EACH LINK (Weight = 3)				LOS (Weight = 4)			Location Score	APPROACH NAME		TSSP (Weight = 5)			AVERAGE DAILY TRAFFIC VOLUME FOR EACH LINK (Weight = 3)				LOS (Weight =4)			Location Score
		Direction	Name	TSSP	Raw Score	Weighted Score	Link Volume	Raw Score	Weighted Score	Lane Number	LOS	Raw Score	Weighted Score	Rank Score	Direction	Name	TSSP	Raw Score	Weighted Score	Link Volume	Raw Score	Weighted Score	Lane Number	LOS	Raw Score	Weighted Score	Rank Score
420	Garfield Ave. /Firestone Blvd.	South	N/O Firestone Blvd.	YES	4	20	18,181	2	6	3	C	1	4	30	North	S/O Firestone Blvd.	YES	4	20	20,485	3	9	2	F	4	16	45
424	Garfield Ave. /Imperial Hwy.	South	N/O Imperial Hwy.	YES	4	20	8,729	1	3	2	A	1	4	27	North	S/O Imperial Hwy.	YES	4	20	10,223	2	6	2	B	1	4	30
432	Garfield Ave. /Rosecrans Ave.	South	N/O Rosecrans Ave.	YES	4	20	15,087	2	6	2	E	3	12	38	North	S/O Rosecrans Ave.	YES	4	20	13,789	2	6	2	D	2	8	34
D	Garfield Ave. /Alondra Blvd.	South	N/O Alondra Blvd.	YES	4	20	15,087	2	6	2	E	3	12	38	North	S/O Alondra Blvd.	YES	4	20	13,789	2	6	2	D	2	8	34
440	Long Beach Blvd. /Firestone Blvd.	South	N/O Firestone Blvd.	YES	4	20	12,212	2	6	2	C	1	4	30	North	S/O Firestone Blvd.	YES	4	20	16,512	2	6	2	F	4	16	42
443	Long Beach Blvd. /Tweedy Blvd.	South	N/O Tweedy Blvd.	YES	4	20	13,292	2	6	2	D	2	8	34	North	S/O Tweedy Blvd.	YES	4	20	22,912	3	9	2	F	4	16	45
445	Long Beach Blvd. /M.L.K. Jr. Blvd.	South	N/O M.L.K.Jr. Blvd.	YES	4	20	15,913	2	6	2	E	3	12	38	North	S/O M.L.K.Jr. Blvd.	YES	4	20	17,102	2	6	2	F	4	16	42
447	Long Beach Blvd. /Imperial Hwy.	South	N/O Imperial Hwy.	YES	4	20	18,039	2	6	2	F	4	16	42	North	S/O Imperial Hwy.	YES	4	20	25,830	3	9	2	F	4	16	45
457	Long Beach Blvd. /Rosecrans Ave.	South	N/O Rosecrans Ave.	YES	4	20	12,441	2	6	2	C	1	4	30	North	S/O Rosecrans Ave.	YES	4	20	12,253	2	6	2	C	1	4	30
D	Long Beach Blvd. /Compton Blvd.	South	N/O Compton Blvd.	YES	4	20	10,101	2	6	2	B	1	4	30	North	S/O Compton Blvd.	YES	4	20	12,391	2	6	2	C	1	4	30
D	Long Beach Blvd. /Alondra Blvd.	South	N/O Alondra Blvd.	YES	4	20	11,155	2	6	2	B	1	4	30	North	S/O Alondra Blvd.	YES	4	20	11,954	2	6	2	C	1	4	30
D	Long Beach Blvd. /Del Amo Blvd.	South	N/O Del Amo Blvd.	NO	0	0	18,959	2	6	2	F	4	16	22	North	S/O Del Amo Blvd.	NO	0	0	11,958	2	6	2	C	1	4	10
484	Long Beach Blvd. /Willow St.	South	N/O Willow St.	NO	0	0	12,700	2	6	2	C	1	4	10	North	S/O Willow St.	NO	0	0	12,771	2	6	3	A	1	4	10
489	Long Beach Blvd. /Pacific Coast Hwy.	South	N/O Pacific Coast Hwy.	NO	0	0	9,229	1	3	2	A	1	4	7	North	S/O Pacific Coast Hwy.	NO	0	0	9,229	1	3	2	A	1	4	7
D	Long Beach Blvd. /Anaheim St.	South	N/O Anaheim St.	NO	0	0	10,704	2	6	2	B	1	4	10	North	S/O Anaheim St.	NO	0	0	9,242	1	3	2	A	1	4	7
500	M.L.K. Jr. Blvd. /Santa Fe Ave.	East	W/O Santa Fe Ave.	NO	0	0	10,522	2	6	2	B	1	4	10	West	E/O Santa Fe Ave.	NO	0	0	5,678	1	3	2	A	1	4	7
D	M.L.K. Jr. Blvd. /Long Beach Blvd.	East	W/O Long Beach Blvd.	YES	4	20	10,522	2	6	2	B	1	4	30	West	E/O Long Beach Blvd.	YES	4	20	5,678	1	3	2	A	1	4	27
504	M.L.K. Jr. Blvd. /Imperial Hwy.	East	W/O Imperial Hwy.	NO	0	0	12,144	2	6	3	A	1	4	10	West	E/O Imperial Hwy.	NO	0	0	11,235	2	6	3	A	1	4	10
D	M.L.K. Jr. Blvd. /Atlantic Ave.	East	W/O Atlantic Ave.	NO	0	0	5,906	1	3	2	A	1	4	7	West	E/O Atlantic Ave.	NO	0	0	6,531	1	3	2	A	1	4	7
D	Main St. / El Segundo Blvd.	South	N/O El Segundo Blvd.	NO	0	0	4,572	1	3	2	A	1	4	7	North	S/O El Segundo Blvd.	NO	0	0	5,291	1	3	2	A	1	4	7
510	Main St. / Rosecrans Ave.	South	N/O Rosecrans Ave.	NO	0	0	4,187	1	3	2	A	1	4	7	North	S/O Rosecrans Ave.	NO	0	0	5,172	1	3	2	A	1	4	7
D	Main St. /Compton Blvd.	South	N/O Compton Blvd.	NO	0	0	4,067	1	3	2	A	1	4	7	North	S/O Compton Blvd.	NO	0	0	3,601	1	3	2	A	1	4	7
511	Main St. / Redondo Beach Blvd.	South	N/O Redondo Beach Blvd.	NO	0	0	4,059	1	3	2	A	1	4	7	North	S/O Redondo Beach Blvd.	NO	0	0	6,563	1	3	2	A	1	4	7
533	Pacific Blvd. /Santa Fe Ave.	South	N/O Santa Fe Ave.	NO	0	0	16,995	2	6	3	C	1	4	10	North	S/O Santa Fe Ave.	NO	0	0	13,094	2	6	2	D	2	8	14
537	Pacific Blvd. /Slauson Ave.	South	N/O Slauson Ave.	NO	0	0	10,366	2	6	2	B	1	4	10	North	S/O Slauson Ave.	NO	0	0	8,001	1	3	2	A	1	4	7
D	Pacific Blvd. /Gage Ave.	South	N/O Gage Ave.	NO	0	0	10,366	2	6	2	B	1	4	10	North	S/O Gage Ave.	NO	0	0	8,001	1	3	2	A	1	4	7
D	Pacific Coast Hwy. /Long Beach Blvd.	East	W/O Long Beach Blvd.	NO	0	0	18,468	2	6	3	C	1	4	10	West	E/O Long Beach Blvd.	NO	0	0	17,526	2	6	3	C	1	4	10
D	Redondo Beach Blvd. /S. Broadway	East	W/O S. Broadway	NO	0	0	11,747	2	6	2	C	1	4	10	West	E/O S. Broadway	NO	0	0	9,197	1	3	2	A	1	4	7

ID	Signal Intersection	APPROACH NAME		TSSP (Weight = 5)			AVERAGE DAILY TRAFFIC VOLUME FOR EACH LINK (Weight = 3)				LOS (Weight = 4)			Location Score	APPROACH NAME		TSSP (Weight = 5)			AVERAGE DAILY TRAFFIC VOLUME FOR EACH LINK (Weight = 3)				LOS (Weight =4)			Location Score
		Direction	Name	TSSP	Raw Score	Weighted Score	Link Volume	Raw Score	Weighted Score	Lane Number	LOS	Raw Score	Weighted Score	Rank Score	Direction	Name	TSSP	Raw Score	Weighted Score	Link Volume	Raw Score	Weighted Score	Lane Number	LOS	Raw Score	Weighted Score	Rank Score
D	Redondo Beach Blvd. /Main St.	East	W/O Main St.	NO	0	0	8,779	1	3	2	A	1	4	7	West	E/O Main St.	NO	0	0	6,890	1	3	2	A	1	4	7
560	Redondo Beach Blvd. /San Pedro St.	East	W/O San Pedro St.	NO	0	0	6,786	1	3	2	A	1	4	7	West	E/O San Pedro St.	NO	0	0	5,244	1	3	2	A	1	4	7
D	Redondo Beach Blvd. /Avalon Blvd.	East	W/O Avalon Blvd.	NO	0	0	4,569	1	3	2	A	1	4	7	West	E/O Avalon Blvd.	NO	0	0	3,503	1	3	2	A	1	4	7
D	San Pedro St. / El Segundo Blvd.	South	N/O El Segundo Blvd.	NO	0	0	4,067	1	3	2	A	1	4	7	North	S/O El Segundo Blvd.	NO	0	0	3,601	1	3	2	A	1	4	7
562	San Pedro St. / Rosecrans Ave.	South	N/O Rosecrans Ave.	NO	0	0	3,534	1	3	2	A	1	4	7	North	S/O Rosecrans Ave.	NO	0	0	4,683	1	3	2	A	1	4	7
D	San Pedro St. /Compton Blvd.	South	N/O Compton Blvd.	NO	0	0	4,067	1	3	2	A	1	4	7	North	S/O Compton Blvd.	NO	0	0	3,601	1	3	2	A	1	4	7
D	San Pedro St. / Redondo Beach Blvd.	South	N/O Redondo Beach Blvd.	NO	0	0	4,076	1	3	2	A	1	4	7	North	S/O Redondo Beach Blvd.	NO	0	0	3,934	1	3	2	A	1	4	7
D	Santa Fe Ave. /Pacific Blvd.	South	N/O Pacific Blvd.	NO	0	0	16,995	2	6	3	C	1	4	10	North	S/O Pacific Blvd.	NO	0	0	13,094	2	6	2	D	2	8	14
574	Santa Fe Ave. /Slauson Ave.	South	N/O Slauson Ave.	NO	0	0	10,007	2	6	2	B	1	4	10	North	S/O Slauson Ave.	NO	0	0	10,504	2	6	2	B	1	4	10
D	Santa Fe Ave. /Gage Ave.	South	N/O Gage Ave.	NO	0	0	14,173	2	6	2	D	2	8	14	North	S/O Gage Ave.	NO	0	0	11,054	2	6	2	B	1	4	10
D	Santa Fe Ave. /Florence Ave.	South	N/O Florence Ave.	NO	0	0	14,173	2	6	2	D	2	8	14	North	S/O Florence Ave.	NO	0	0	11,054	2	6	2	B	1	4	10
580	Santa Fe Ave. /Firestone Blvd.	South	N/O Firestone Blvd.	NO	0	0	7,263	1	3	2	A	1	4	7	North	S/O Firestone Blvd.	NO	0	0	7,893	1	3	2	A	1	4	7
D	Santa Fe Ave. /Del Amo Blvd.	South	N/O Del Amo Blvd.	NO	0	0	10,939	2	6	2	B	1	4	10	North	S/O Del Amo Blvd.	NO	0	0	10,659	2	6	3	A	1	4	10
590	Santa Fe Ave. /Willow St.	South	N/O Willow St.	NO	0	0	10,939	2	6	2	B	1	4	10	North	S/O Willow St.	NO	0	0	10,659	2	6	2	B	1	4	10
D	Santa Fe Ave. /Anaheim St.	South	N/O Anaheim St.	NO	0	0	6,145	1	3	2	A	1	4	7	North	S/O Anaheim St.	NO	0	0	7,120	1	3	2	A	1	4	7
D	Slauson Ave. /Santa Fe St.	East	W/O Santa Fe Ave.	NO	0	0	16,146	2	6	2	F	4	16	22	West	E/O Santa Fe Ave.	NO	0	0	14,743	2	6	2	E	3	12	18
D	Slauson Ave. /Pacific Blvd.	East	W/O Pacific Blvd.	NO	0	0	16,146	2	6	2	F	4	16	22	West	E/O Pacific Blvd.	NO	0	0	14,743	2	6	2	E	3	12	18
600	Slauson Ave. /Soto St.& Miles Ave.	East	W/O Soto St. & Miles Ave.	NO	0	0	16,146	2	6	2	F	4	16	22	West	E/O Soto St. & Miles Ave.	NO	0	0	9,558	1	3	2	A	1	4	7
D	Slauson Ave. /Atlantic Blvd.	East	W/O Atlantic Blvd.	NO	0	0	18,049	2	6	2	F	4	16	22	West	E/O Atlantic Blvd.	NO	0	0	18,430	2	6	2	F	4	16	22
D	Slauson Ave. /Eastern Ave.	East	W/O Eastern Ave.	YES	4	20	16,543	2	6	3	B	1	4	30	West	E/O Eastern Ave.	YES	4	20	16,614	2	6	2	F	4	16	42
D	Slauson Ave. /Garfield Ave.	East	W/O Garfield Ave.	NO	0	0	16,669	2	6	2	F	4	16	22	West	E/O Garfield Ave.	NO	0	0	15,051	2	6	2	E	3	12	18
D	Soto St. /Bandini Blvd.	South	N/O Bandini Blvd.	NO	0	0	21,474	3	9	2	F	4	16	25	North	S/O Bandini Blvd.	NO	0	0	17,829	2	6	2	F	4	16	22
D	Soto St. /Slauson Ave.	South	N/O Slauson Ave.	NO	0	0	21,474	3	9	2	F	4	16	25	North	S/O Slauson Ave.	NO	0	0	17,829	2	6	2	F	4	16	22
D	Tweedy Blvd. /Long Beach Blvd.	East	W/O Long Beach Blvd.	NO	0	0	7,303	1	3	2	A	1	4	7	West	E/O Long Beach Blvd.	NO	0	0	7,640	1	3	2	A	1	4	7
D	Washington Blvd. /Atlantic Blvd.	East	W/O Atlantic Blvd.	NO	0	0	17,043	2	6	2	F	4	16	22	West	E/O Atlantic Blvd.	NO	0	0	18,290	2	6	2	F	4	16	22
D	Washington Blvd. /Eastern Ave.	East	W/O Eastern Ave.	YES	4	20	14,251	2	6	2	D	2	8	34	West	E/O Eastern Ave.	YES	4	20	11,452	2	6	2	C	1	4	30
D	Willow St. /Santa Fe Ave.	East	W/O Santa Fe Ave.	NO	0	0	12,414	2	6	2	C	1	4	10	West	E/O Santa Fe Ave.	NO	0	0	12,225	2	6	3	A	1	4	10
D	Willow St. /Long Beach Blvd.	East	W/O Long Beach Blvd.	NO	0	0	12,414	2	6	3	A	1	4	10	West	E/O Long Beach Blvd.	NO	0	0	12,225	2	6	3	A	1	4	10

ID	Signal Intersection	APPROACH NAME		TSSP (Weight = 5)			AVERAGE DAILY TRAFFIC VOLUME FOR EACH LINK (Weight = 3)				LOS (Weight = 4)			Location Score	APPROACH NAME		TSSP (Weight = 5)			AVERAGE DAILY TRAFFIC VOLUME FOR EACH LINK (Weight = 3)				LOS (Weight =4)			Location Score
		Direction	Name	TSSP	Raw Score	Weighted Score	Link Volume	Raw Score	Weighted Score	Lane Number	LOS	Raw Score	Weighted Score	Rank Score	Direction	Name	TSSP	Raw Score	Weighted Score	Link Volume	Raw Score	Weighted Score	Lane Number	LOS	Raw Score	Weighted Score	Rank Score
D	Willow St. /Cherry Ave.	East	W/O Cherry Ave.	NO	0	0	12,414	2	6	3	A	1	4	10	West	E/O Cherry Ave.	NO	0	0	12,225	2	6	2	C	1	4	10
670	Wilmington Ave. /Rosecrans Ave.	South	N/O Rosecrans Ave.	YES	4	20	16,768	2	6	2	F	4	16	42	North	S/O Rosecrans Ave.	YES	4	20	12,632	2	6	2	C	1	4	30
D	Wilmington Ave. /Compton Blvd.	South	N/O Compton Blvd.	YES	4	20	14,196	2	6	2	D	2	8	34	North	S/O Compton Blvd.	YES	4	20	12,581	2	6	2	C	1	4	30
D	Wilmington Ave. /Alondra Blvd.	South	N/O Alondra Blvd.	NO	0	0	12,581	2	6	2	C	1	4	10	North	S/O Alondra Blvd.	NO	0	0	11,903	2	6	2	C	1	4	10
D	Wilmington Ave. /Del Amo Blvd.	South	N/O Del Amo Blvd.	YES	4	20	12,083	2	6	3	A	1	4	30	North	S/O Del Amo Blvd.	YES	4	20	10,847	2	6	3	A	1	4	30

Appendix C: Detection Ranking By Location

ID	Signal Intersection	APPROACH NAME		RANK		APPROACH NAME		RANK	
		Direction	Name	Rank Score	Priority	Direction	Name	Rank Score	Value
27	Alameda St. /Gage Ave.	South	N/O Gage Ave.	30	HIGH	North	S/O Gage Ave.	30	HIGH
60	Alondra Blvd. /S. Broadway	East	W/O S.Broadway	27	HIGH	West	E/O S.Broadway	27	HIGH
62	Alondra Blvd. /Avalon Blvd.	East	W/O Avalon Blvd.	27	HIGH	West	E/O Avalon Blvd.	27	HIGH
66	Alondra Blvd. /Central Ave.	East	W/O Central Ave.	30	HIGH	West	E/O Central Ave.	30	HIGH
67	Alondra Blvd. /Wilmington Ave.	East	W/O Wilmington Ave.	30	HIGH	West	E/O Wilmington Ave.	30	HIGH
D	Alondra Blvd. /Alameda St. West	East	W/O Alameda St. West	30	HIGH	West	E/O Alameda St. West	30	HIGH
D	Alondra Blvd. /Alameda St. East	East	W/O Alameda St. East	30	HIGH	West	E/O Alameda St. East	30	HIGH
76	Alondra Blvd. /Long Beach Blvd.	East	W/O Long Beach Blvd.	30	HIGH	West	E/O Long Beach Blvd.	45	HIGH
80	Alondra Blvd. /Atlantic Ave.	East	W/O Atlantic Ave.	45	HIGH	West	E/O Atlantic Ave.	45	HIGH
87	Alondra Blvd. /Garfield Ave.	East	W/O Garfield Ave.	30	HIGH	West	E/O Garfield Ave.	30	HIGH
104	Artesia Blvd. /Central Ave	East	W/O Central Ave.	25	HIGH	West	E/O Central Ave.	25	HIGH
124	Atlantic Blvd. /Washington Blvd.	South	N/O Washington Blvd.	25	HIGH	North	S/O Washington Blvd.	28	HIGH
126	Atlantic Blvd. /Bandini Blvd.	South	N/O Bandini Blvd.	25	HIGH	North	S/O Bandini Blvd.	28	HIGH
131	Atlantic Blvd. /Slauson Ave.	South	N/O Slauson Ave.	25	HIGH	North	S/O Slauson Ave.	28	HIGH
D	Avalon Blvd. / Alondra Blvd.	South	N/O Alondra Blvd.	30	HIGH	North	S/O Alondra Blvd.	30	HIGH
D	S. Broadway /Alondra Blvd.	South	N/O Alondra Blvd.	27	HIGH	North	S/O Alondra Blvd.	27	HIGH
D	Central Ave. / Alondra Blvd.	South	N/O Alondra Blvd.	42	HIGH	North	S/O Alondra Blvd.	42	HIGH
267	Cherry Ave. /Del Amo Blvd.	South	N/O Del Amo Blvd.	30	HIGH	North	S/O Del Amo Blvd.	30	HIGH
274	Cherry Ave. /Willow St.	South	N/O Willow St.	30	HIGH	North	S/O Willow St.	34	HIGH
307	Del Amo Blvd. /Wilmington Ave.	East	W/O Wilmington Ave.	27	HIGH	West	E/O Wilmington Ave.	27	HIGH
317	Eastern Ave. /Washington Blvd.	South	N/O Washington Blvd.	30	HIGH	North	S/O Washington Blvd.	30	HIGH
D	Eastern Ave. /Bandini Blvd.	South	N/O Bandini Blvd.	30	HIGH	North	S/O Bandini Blvd.	30	HIGH
321	Eastern Ave. /Slauson Ave.	South	N/O Slauson Ave.	34	HIGH	North	S/O Slauson Ave.	34	HIGH
324	Eastern Ave. /Gage Ave.	South	N/O Gage Ave.	30	HIGH	North	S/O Gage Ave.	30	HIGH
328	Eastern Ave. /Florence Ave.	South	N/O Florence Ave.	30	HIGH	North	S/O Florence Ave.	30	HIGH
334	Eastern Ave. /Garfield Ave.	South	N/O Garfield Ave.	30	HIGH	North	S/O Garfield Ave.	30	HIGH
D	Florence Ave. /Atlantic Ave.	East	W/O Atlantic Ave.	25	HIGH	West	E/O Atlantic Ave.	25	HIGH
D	Florence Ave. /Eastern Ave.	East	W/O Eastern Ave.	48	HIGH	West	E/O Eastern Ave.	48	HIGH
381	Gage Ave. /Wilmington Ave.	East	W/O Wilmington Ave.	30	HIGH	West	E/O Wilmington Ave.	30	HIGH
D	Gage Ave. /Alameda St.	East	W/O Alameda St.	30	HIGH	West	E/O Alameda St.	30	HIGH
382	Gage Ave. /Santa Fe Ave.	East	W/O Santa Fe Ave.	30	HIGH	West	E/O Santa Fe Ave.	30	HIGH
385	Gage Ave. /Pacific Blvd.	East	W/O Pacific Blvd.	27	HIGH	West	E/O Pacific Blvd.	30	HIGH
D	Gage Ave. / Atlantic Ave.	East	W/O Atlantic Ave.	38	HIGH	West	E/O Atlantic Ave.	38	HIGH
D	Gage Ave. /Eastern Ave.	East	W/O Eastern Ave.	34	HIGH	West	E/O Eastern Ave.	30	HIGH
406	Gage Ave. /Garfield Ave.	East	W/O Garfield Ave.	34	HIGH	West	E/O Garfield Ave.	30	HIGH
D	Garfield Ave. /Gage Ave.	South	N/O Gage Ave.	34	HIGH	North	S/O Gage Ave.	30	HIGH
D	Garfield Ave. /Eastern Ave.	South	N/O Eastern Ave.	30	HIGH	North	S/O Eastern Ave.	30	HIGH
420	Garfield Ave. /Firestone Blvd.	South	N/O Firestone Blvd.	30	HIGH	North	S/O Firestone Blvd.	45	HIGH
424	Garfield Ave. /Imperial Hwy.	South	N/O Imperial Hwy.	27	HIGH	North	S/O Imperial Hwy.	30	HIGH
432	Garfield Ave. /Rosecrans Ave.	South	N/O Rosecrans Ave.	38	HIGH	North	S/O Rosecrans Ave.	34	HIGH
D	Garfield Ave. /Alondra Blvd.	South	N/O Alondra Blvd.	38	HIGH	North	S/O Alondra Blvd.	34	HIGH
440	Long Beach Blvd. /Firestone Blvd.	South	N/O Firestone Blvd.	30	HIGH	North	S/O Firestone Blvd.	42	HIGH
443	Long Beach Blvd. /Tweedy Blvd.	South	N/O Tweedy Blvd.	34	HIGH	North	S/O Tweedy Blvd.	45	HIGH
445	Long Beach Blvd. /M.L.K. Jr. Blvd.	South	N/O M.L.K.Jr. Blvd.	38	HIGH	North	S/O M.L.K.Jr. Blvd.	42	HIGH

		Direction	Name	Rank Score	Priority	Direction	Name	Rank Score	Value
447	Long Beach Blvd. /Imperial Hwy.	South	N/O Imperial Hwy.	42	HIGH	North	S/O Imperial Hwy.	45	HIGH
457	Long Beach Blvd. /Rosecrans Ave.	South	N/O Rosecrans Ave.	30	HIGH	North	S/O Rosecrans Ave.	30	HIGH
D	Long Beach Blvd. /Compton Blvd.	South	N/O Compton Blvd.	30	HIGH	North	S/O Compton Blvd.	30	HIGH
D	Long Beach Blvd. /Alondra Blvd.	South	N/O Alondra Blvd.	30	HIGH	North	S/O Alondra Blvd.	30	HIGH
D	M.L.K. Jr. Blvd. /Long Beach Blvd.	East	W/O Long Beach Blvd.	30	HIGH	West	E/O Long Beach Blvd.	27	HIGH
D	Slauson Ave. /Eastern Ave.	East	W/O Eastern Ave.	30	HIGH	West	E/O Eastern Ave.	42	HIGH
D	Washington Blvd. /Eastern Ave.	East	W/O Eastern Ave.	34	HIGH	West	E/O Eastern Ave.	30	HIGH
670	Wilmington Ave. /Rosecrans Ave.	South	N/O Rosecrans Ave.	42	HIGH	North	S/O Rosecrans Ave.	30	HIGH
D	Wilmington Ave. /Compton Blvd.	South	N/O Compton Blvd.	34	HIGH	North	S/O Compton Blvd.	30	HIGH
D	Wilmington Ave. /Del Amo Blvd.	South	N/O Del Amo Blvd.	30	HIGH	North	S/O Del Amo Blvd.	30	HIGH
D	Garfield Ave. /Bandini Blvd.	South	N/O Bandini Blvd.	25	HIGH	North	S/O Bandini Blvd.	22	MEDIUM
D	Soto St. /Bandini Blvd.	South	N/O Bandini Blvd.	25	HIGH	North	S/O Bandini Blvd.	22	MEDIUM
D	Soto St. /Slauson Ave.	South	N/O Slauson Ave.	25	HIGH	North	S/O Slauson Ave.	22	MEDIUM
29	Alameda St. /Florence Ave.	South	N/O Florence Ave.	10	MEDIUM	North	S/O Florence Ave.	10	MEDIUM
32	Alameda St. /Firestone Blvd.	South	N/O Firestone Blvd.	10	MEDIUM	North	S/O Firestone Blvd.	10	MEDIUM
38	Alameda St. /Imperial Hwy.	South	N/O Imperial Hwy.	18	MEDIUM	North	S/O Imperial Hwy.	14	MEDIUM
88	Anaheim St. /Santa Fe Ave.	East	W/O Santa Fe Ave.	10	MEDIUM	West	E/O Santa Fe Ave.	10	MEDIUM
96	Anaheim St. /Long Beach Blvd.	East	W/O Long Beach Blvd.	10	MEDIUM	West	E/O Long Beach Blvd.	10	MEDIUM
97	Anaheim St. /Atlantic Ave.	East	W/O Atlantic Ave.	10	MEDIUM	West	E/O Atlantic Ave.	10	MEDIUM
135	Atlantic Ave. /Gage Ave.	South	N/O Gage Ave.	10	MEDIUM	North	S/O Gage Ave.	14	MEDIUM
139	Atlantic Ave. / Florence Ave.	South	N/O Florence Ave.	14	MEDIUM	North	S/O Florence Ave.	14	MEDIUM
172	Atlantic Ave. /Del Amo Blvd.	South	N/O Del Amo Blvd.	22	MEDIUM	North	S/O Del Amo Blvd.	10	MEDIUM
D	Atlantic Ave. /Anaheim St.	South	N/O Anaheim St.	10	MEDIUM	North	S/O Anaheim St.	10	MEDIUM
D	Atlantic Ave. /7th St.	South	N/O 7th St.	10	MEDIUM	North	S/O 7th St.	10	MEDIUM
210	Bandini Blvd. /Soto St.	East	W/O Soto St.	10	MEDIUM	West	E/O Soto St.	10	MEDIUM
D	Bandini Blvd. /Atlantic Blvd.	East	W/O Atlantic Blvd.	10	MEDIUM	West	E/O Atlantic Blvd.	22	MEDIUM
218	Bandini Blvd. /Eastern Ave.	East	W/O Eastern Ave.	14	MEDIUM	West	E/O Eastern Ave.	10	MEDIUM
227	California Ave. /Florence Ave.	South	N/O Florence Ave.	11	MEDIUM	North	S/O Florence Ave.	15	MEDIUM
252	Central Ave. /El Segundo Blvd.	South	N/O El Segundo Blvd.	14	MEDIUM	North	S/O El Segundo Blvd.	18	MEDIUM
254	Central Ave. / Rosecrans Ave.	South	N/O Rosecrans Ave.	10	MEDIUM	North	S/O Rosecrans Ave.	10	MEDIUM
256	Central Ave. / Compton Blvd.	South	N/O Compton Blvd.	14	MEDIUM	North	S/O Compton Blvd.	14	MEDIUM
D	Compton Blvd. /Central Ave.	East	W/O Central Ave.	10	MEDIUM	West	E/O Central Ave.	10	MEDIUM
290	Compton Blvd. /Wilmington Ave.	East	W/O Wilmington Ave.	10	MEDIUM	West	E/O Wilmington Ave.	10	MEDIUM
D	Compton Blvd. /Alameda St. West	East	W/O Alameda St. West	22	MEDIUM	West	E/O Alameda St. West	22	MEDIUM
D	Compton Blvd. /Alameda St. East	East	W/O Alameda St. East	22	MEDIUM	West	E/O Alameda St. East	22	MEDIUM
296	Compton Blvd. /Santa Fe Ave.	East	W/O Santa Fe Ave.	10	MEDIUM	West	E/O Santa Fe Ave.	10	MEDIUM
298	Compton Blvd. /Long Beach Blvd.	East	W/O Long Beach Blvd.	10	MEDIUM	West	E/O Long Beach Blvd.	10	MEDIUM
306	Somerset Blvd. /Garfield Ave.	East	W/O Garfield Ave.	10	MEDIUM	West	E/O Garfield Ave.	10	MEDIUM
312	Del Amo Blvd. /Long Beach Blvd.	East	W/O Long Beach Blvd.	10	MEDIUM	West	E/O Long Beach Blvd.	10	MEDIUM
D	Del Amo Blvd. /Atlantic Ave.	East	W/O Atlantic Ave.	10	MEDIUM	West	E/O Atlantic Ave.	10	MEDIUM
D	Del Amo Blvd. /Cherry Ave.	East	W/O Cherry Ave.	10	MEDIUM	West	E/O Cherry Ave.	10	MEDIUM
D	El Segundo Blvd. /S. Broadway	East	W/O S.Broadway	18	MEDIUM	West	E/O S.Broadway	10	MEDIUM
335	El Segundo Blvd. /Main St.	East	W/O Main St.	10	MEDIUM	West	E/O Main St.	10	MEDIUM
336	El Segundo Blvd. /San Pedro St.	East	W/O San Pedro St.	10	MEDIUM	West	E/O San Pedro St.	10	MEDIUM
D	El Segundo Blvd. /Avalon Blvd.	East	W/O Avalon Blvd.	10	MEDIUM	West	E/O Avalon Blvd.	10	MEDIUM
D	El Segundo Blvd. /Central Ave.	East	W/O Central Ave.	22	MEDIUM	West	E/O Central Ave.	22	MEDIUM
D	Florence Ave. /Alameda St.	East	W/O Alameda St.	14	MEDIUM	West	E/O Alameda St.	22	MEDIUM

		Direction	Name	Rank Score	Priority	Direction	Name	Rank Score	Value
355	Florence Ave. /Santa Fe Ave.	East	W/O Santa Fe Ave.	18	MEDIUM	West	E/O Santa Fe Ave.	18	MEDIUM
374	Florence Ave. /Garfield Ave.	East	W/O Garfield Ave.	10	MEDIUM	West	E/O Garfield Ave.	10	MEDIUM
411	Garfield Ave. /Slauson Ave.	South	N/O Slauson Ave.	14	MEDIUM	North	S/O Slauson Ave.	10	MEDIUM
D	Long Beach Blvd. /Del Amo Blvd.	South	N/O Del Amo Blvd.	22	MEDIUM	North	S/O Del Amo Blvd.	10	MEDIUM
484	Long Beach Blvd. /Willow St.	South	N/O Willow St.	10	MEDIUM	North	S/O Willow St.	10	MEDIUM
504	M.L.K. Jr. Blvd. /Imperial Hwy.	East	W/O Imperial Hwy.	10	MEDIUM	West	E/O Imperial Hwy.	10	MEDIUM
533	Pacific Blvd. /Santa Fe Ave.	South	N/O Santa Fe Ave.	10	MEDIUM	North	S/O Santa Fe Ave.	14	MEDIUM
D	Pacific Coast Hwy. /Long Beach Blvd.	East	W/O Long Beach Blvd.	10	MEDIUM	West	E/O Long Beach Blvd.	10	MEDIUM
D	Santa Fe Ave. /Pacific Blvd.	South	N/O Pacific Blvd.	10	MEDIUM	North	S/O Pacific Blvd.	14	MEDIUM
574	Santa Fe Ave. /Slauson Ave.	South	N/O Slauson Ave.	10	MEDIUM	North	S/O Slauson Ave.	10	MEDIUM
D	Santa Fe Ave. /Gage Ave.	South	N/O Gage Ave.	14	MEDIUM	North	S/O Gage Ave.	10	MEDIUM
D	Santa Fe Ave. /Florence Ave.	South	N/O Florence Ave.	14	MEDIUM	North	S/O Florence Ave.	10	MEDIUM
D	Santa Fe Ave. /Del Amo Blvd.	South	N/O Del Amo Blvd.	10	MEDIUM	North	S/O Del Amo Blvd.	10	MEDIUM
590	Santa Fe Ave. /Willow St.	South	N/O Willow St.	10	MEDIUM	North	S/O Willow St.	10	MEDIUM
D	Slauson Ave. /Santa Fe St.	East	W/O Santa Fe Ave.	22	MEDIUM	West	E/O Santa Fe Ave.	18	MEDIUM
D	Slauson Ave. /Pacific Blvd.	East	W/O Pacific Blvd.	22	MEDIUM	West	E/O Pacific Blvd.	18	MEDIUM
D	Slauson Ave. /Atlantic Blvd.	East	W/O Atlantic Blvd.	22	MEDIUM	West	E/O Atlantic Blvd.	22	MEDIUM
D	Slauson Ave. /Garfield Ave.	East	W/O Garfield Ave.	22	MEDIUM	West	E/O Garfield Ave.	18	MEDIUM
D	Washington Blvd. /Atlantic Blvd.	East	W/O Atlantic Blvd.	22	MEDIUM	West	E/O Atlantic Blvd.	22	MEDIUM
D	Willow St. /Santa Fe Ave.	East	W/O Santa Fe Ave.	10	MEDIUM	West	E/O Santa Fe Ave.	10	MEDIUM
D	Willow St. /Long Beach Blvd.	East	W/O Long Beach Blvd.	10	MEDIUM	West	E/O Long Beach Blvd.	10	MEDIUM
D	Willow St. /Cherry Ave.	East	W/O Cherry Ave.	10	MEDIUM	West	E/O Cherry Ave.	10	MEDIUM
D	Wilmington Ave. /Alondra Blvd.	South	N/O Alondra Blvd.	10	MEDIUM	North	S/O Alondra Blvd.	10	MEDIUM
150	Atlantic Ave. /Imperial Hwy.	South	N/O Imperial Hwy.	10	MEDIUM	North	S/O Imperial Hwy.	7	LOW
159	Atlantic Ave. /Rosecrans Ave.	South	N/O Rosecrans Ave.	10	MEDIUM	North	S/O Rosecrans Ave.	7	LOW
220	Bandini Blvd. /Garfield Ave.	East	W/O Garfield Ave.	14	MEDIUM	West	E/O Garfield Ave.	7	LOW
D	Compton Blvd. /Atlantic Ave.	East	W/O Atlantic Ave.	10	MEDIUM	West	E/O Atlantic Ave.	7	LOW
D	Long Beach Blvd. /Anaheim St.	South	N/O Anaheim St.	10	MEDIUM	North	S/O Anaheim St.	7	LOW
500	M.L.K. Jr. Blvd. /Santa Fe Ave.	East	W/O Santa Fe Ave.	10	MEDIUM	West	E/O Santa Fe Ave.	7	LOW
537	Pacific Blvd. /Slauson Ave.	South	N/O Slauson Ave.	10	MEDIUM	North	S/O Slauson Ave.	7	LOW
D	Pacific Blvd. /Gage Ave.	South	N/O Gage Ave.	10	MEDIUM	North	S/O Gage Ave.	7	LOW
D	Redondo Beach Blvd. /S. Broadway	East	W/O S. Broadway	10	MEDIUM	West	E/O S. Broadway	7	LOW
600	Slauson Ave. /Soto St.& Miles Ave.	East	W/O Soto St. & Miles Ave.	22	MEDIUM	West	E/O Soto St. & Miles Ave.	7	LOW
D	Atlantic Ave. /Abbott Rd.	South	N/O Abbott Rd.	7	LOW	North	S/O Abbott Rd.	10	MEDIUM
153	Atlantic Ave. /M.L.K. Jr. Blvd.	South	N/O M.L.K.Jr. Blvd.	7	LOW	North	S/O M.L.K.Jr. Blvd.	10	MEDIUM
D	Atlantic Ave. /Alondra Blvd.	South	N/O Alondra Blvd.	7	LOW	North	S/O Alondra Blvd.	10	MEDIUM
209	Avalon Blvd. / Redondo Beach Blvd.	South	N/O Redondo Beach Blvd.	7	LOW	North	S/O Redondo Beach Blvd.	10	MEDIUM
308	Del Amo Blvd. /Santa Fe Ave.	East	W/O Santa Fe Ave.	7	LOW	West	E/O Santa Fe Ave.	14	MEDIUM
19	Abbott Rd. /Atlantic Ave.	East	W/O Atlantic Ave.	7	LOW	West	E/O Atlantic Ave.	7	LOW

Appendix D: Existing Condition and Recommendation for High Priority Locations

ID	Signal Intersection	APPROACH NAME		Rank Scores	Preliminary Ranking (East/South)	Existing Adv. Det.?	Traffic queue not back up over the advanced detectors?	Is the distance less than 0.5 miles (East/South)?	Separate DLC Cables?	Final Installation Recommendation			APPROACH NAME		Rank Scores	Preliminary Ranking (West/North)	Existing Adv. Det.?	Traffic queue not back up over the advanced detectors ?	Is the distance less than 0.5 miles(West/North)?	Separate DLC Cables?	Final Installation Recommendation		
		Direction	Name							Install New System Detector (East/South)	Rewiring Existing Advanced Detector (East/South)	Use Existing Advanced Detector (East/South)	Direction	Name							Install New System Detector (West/North)	Rewiring Existing Advanced Detector (West/North)	Use Existing Advanced Detector (West/North)
27	Alameda St. /Gage Ave.	South	N/O Gage Ave.	30	HIGH	Yes	No	Yes	No	X			North	S/O Gage Ave.	30	HIGH	Yes	No	No	No	X		
D	Alondra Blvd. /Alameda St. West	East	W/O Alameda St. West	30	HIGH	No	Yes	Yes	N/A	X			West	E/O Alameda St. West	30	HIGH	No	Yes	Yes	N/A	X		
D	Alondra Blvd. /Alameda St. East	East	W/O Alameda St. East	30	HIGH	No	Yes	Yes	N/A	X			West	E/O Alameda St. East	30	HIGH	No	Yes	Yes	N/A	X		
80	Alondra Blvd. /Atlantic Ave.	East	W/O Atlantic Ave.	45	HIGH	No	Yes	No	N/A	X			West	E/O Atlantic Ave.	45	HIGH	No	Yes	No	N/A	X		
87	Alondra Blvd. /Garfield Ave.	East	W/O Garfield Ave.	30	HIGH	Yes	No	N/A	No	X			West	E/O Garfield Ave.	30	HIGH	Yes	No	No	No	X		
104	Artesia Blvd. /Central Ave	East	W/O Central Ave.	25	HIGH	No	Yes	No	N/A	X			West	E/O Central Ave.	25	HIGH	No	Yes	No	N/A	X		
126	Atlantic Blvd. /Bandini Blvd.	South	N/O Bandini Blvd.	25	HIGH	No	No	No	No	X			North	S/O Bandini Blvd.	28	HIGH	No	No	No	No	X		
131	Atlantic Blvd. /Slauson Ave.	South	N/O Slauson Ave.	25	HIGH	Yes	No	No	No	X			North	S/O Slauson Ave.	28	HIGH	Yes	No	No	No	X		
267	Cherry Ave. /Del Amo Blvd.	South	N/O Del Amo Blvd.	30	HIGH	Yes	No	No	Yes	X			North	S/O Del Amo Blvd.	30	HIGH	Yes	No	No	Yes	X		
321	Eastern Ave. /Slauson Ave.	South	N/O Slauson Ave.	34	HIGH	No	Yes	No	N/A	X			North	S/O Slauson Ave.	34	HIGH	No	Yes	No	N/A	X		
382	Gage Ave. /Santa Fe Ave.	East	W/O Santa Fe Ave.	30	HIGH	Yes	No	Yes	No	X			West	E/O Santa Fe Ave.	30	HIGH	Yes	No	Yes	No	X		
420	Garfield Ave. /Firestone Blvd.	South	N/O Firestone Blvd.	30	HIGH	No	Yes	No	No	X			North	S/O Firestone Blvd.	45	HIGH	0	Yes	Yes	No		X	
432	Garfield Ave. /Rosecrans Ave.	South	N/O Rosecrans Ave.	38	HIGH	No	Yes	No	N/A	X			North	S/O Rosecrans Ave.	34	HIGH	No	Yes	No	N/A	X		
D	Garfield Ave. /Alondra Blvd.	South	N/O Alondra Blvd.	38	HIGH	Yes	No	Yes	No	X			North	S/O Alondra Blvd.	34	HIGH	Yes	No	Yes	No	X		
445	Long Beach Blvd. /M.L.K. Jr. Blvd.	South	N/O M.L.K.Jr. Blvd.	38	HIGH	Yes	No	Yes	No	X			North	S/O M.L.K.Jr. Blvd.	42	HIGH	Yes	No	No	No	X		
447	Long Beach Blvd. /Imperial Hwy.	South	N/O Imperial Hwy.	42	HIGH	Yes	No	No	No	X			North	S/O Imperial Hwy.	45	HIGH	Yes	No	No	No	X		
D	Slauson Ave. /Eastern Ave.	East	W/O Eastern Ave.	30	HIGH	No	Yes	No	N/A	X			West	E/O Eastern Ave.	42	HIGH	No	Yes	Yes	N/A	X		
D	Soto St. /Bandini Blvd.	South	N/O Bandini Blvd.	25	HIGH	Yes	No	Yes	No	X			North	S/O Bandini Blvd.	22	MEDIUM	Yes	No	Yes	No			
D	Soto St. /Slauson Ave.	South	N/O Slauson Ave.	25	HIGH	Yes	No	Yes	No	X			North	S/O Slauson Ave.	22	MEDIUM	Yes	No	N/A	No			
60	Alondra Blvd. /S. Broadway	East	W/O S.Broadway	27	HIGH	Yes	Yes	Yes	No		X		West	E/O S.Broadway	27	HIGH	Yes	Yes	N/A	No		X	
62	Alondra Blvd. /Avalon Blvd.	East	W/O Avalon Blvd.	27	HIGH	Yes	Yes	No	No	X			West	E/O Avalon Blvd.	27	HIGH	Yes	Yes	No	No	X		
66	Alondra Blvd. /Central Ave.	East	W/O Central Ave.	30	HIGH	Yes	Yes	No	No	X			West	E/O Central Ave.	30	HIGH	Yes	Yes	No	No	X		
67	Alondra Blvd. /Wilmington Ave.	East	W/O Wilmington Ave.	30	HIGH	Yes	Yes	No	No	X			West	E/O Wilmington Ave.	30	HIGH	Yes	Yes	No	No	X		
76	Alondra Blvd. /Long Beach Blvd.	East	W/O Long Beach Blvd.	30	HIGH	Yes	Yes	No	No	X			West	E/O Long Beach Blvd.	45	HIGH	Yes	Yes	No	No	X		
124	Atlantic Blvd. /Washington Blvd.	South	N/O Washington Blvd.	25	HIGH	Yes	Yes	No	No	X			North	S/O Washington Blvd.	28	HIGH	Yes	Yes	No	No	X		
D	Avalon Blvd. / Alondra Blvd.	South	N/O Alondra Blvd.	30	HIGH	Yes	Yes	Yes	No		X		North	S/O Alondra Blvd.	30	HIGH	Yes	Yes	Yes	No		X	
D	S. Broadway /Alondra Blvd.	South	N/O Alondra Blvd.	27	HIGH	Yes	Yes	Yes	No		X		North	S/O Alondra Blvd.	27	HIGH	Yes	Yes	Yes	No		X	
D	Central Ave. / Alondra Blvd.	South	N/O Alondra Blvd.	42	HIGH	Yes	Yes	Yes	No		X		North	S/O Alondra Blvd.	42	HIGH	Yes	Yes	Yes	No		X	
307	Del Amo Blvd. /Wilmington Ave.	East	W/O Wilmington Ave.	27	HIGH	Yes	Yes	No	No	X			West	E/O Wilmington Ave.	27	HIGH	Yes	Yes	No	No	X		
317	Eastern Ave. /Washington Blvd.	South	N/O Washington Blvd.	30	HIGH	Yes	Yes	No	No	X			North	S/O Washington Blvd.	30	HIGH	Yes	Yes	No	No	X		
D	Eastern Ave. /Bandini Blvd.	South	N/O Bandini Blvd.	30	HIGH	Yes	Yes	Yes	No		X		North	S/O Bandini Blvd.	30	HIGH	Yes	Yes	Yes	No		X	

ID	Signal Intersection	APPROACH NAME		Rank Scores	Preliminary Ranking (East/South)	Existing Adv. Det.?	Traffic queue not back up over the advanced detectors?	Is the distance less than 0.5 miles (East/South)?	Separate DLC Cables?	Final Installation Recommendation			APPROACH NAME		Rank Scores	Preliminary Ranking (West/North)	Existing Adv. Det.?	Traffic queue not back up over the advanced detectors?	Is the distance less than 0.5 miles(West/North)?	Separate DLC Cables?	Final Installation Recommendation		
		Direction	Name							Install New System Detector (East/South)	Rewiring Existing Advanced Detector (East/South)	Use Existing Advanced Detector (East/South)	Direction	Name							Install New System Detector (West/North)	Rewiring Existing Advanced Detector (West/North)	Use Existing Advanced Detector (West/North)
324	Eastern Ave. /Gage Ave.	South	N/O Gage Ave.	30	HIGH	Yes	Yes	No	No	X			North	S/O Gage Ave.	30	HIGH	Yes	Yes	No	No	X		
328	Eastern Ave. /Florence Ave.	South	N/O Florence Ave.	30	HIGH	Yes	Yes	No	No	X			North	S/O Florence Ave.	30	HIGH	Yes	Yes	No	No	X		
334	Eastern Ave. /Garfield Ave.	South	N/O Garfield Ave.	30	HIGH	Yes	Yes	Yes	No		X		North	S/O Garfield Ave.	30	HIGH	Yes	Yes	No	No	X		
D	Florence Ave. /Atlantic Ave.	East	W/O Atlantic Ave.	25	HIGH	Yes	Yes	Yes	No		X		West	E/O Atlantic Ave.	25	HIGH	Yes	Yes	Yes	No		X	
D	Florence Ave. /Eastern Ave.	East	W/O Eastern Ave.	48	HIGH	Yes	Yes	No	No	X			West	E/O Eastern Ave.	48	HIGH	Yes	Yes	Yes	No		X	
381	Gage Ave. /Wilmington Ave.	East	W/O Wilmington Ave.	30	HIGH	Yes	Yes	Yes	No		X		West	E/O Wilmington Ave.	30	HIGH	Yes	Yes	No	No	X		
D	Gage Ave. /Alameda St.	East	W/O Alameda St.	30	HIGH	Yes	Yes	Yes	No		X		West	E/O Alameda St.	30	HIGH	Yes	Yes	Yes	No		X	
385	Gage Ave. /Pacific Blvd.	East	W/O Pacific Blvd.	27	HIGH	Yes	Yes	No	No	X			West	E/O Pacific Blvd.	30	HIGH	Yes	Yes	Yes	No		X	
D	Gage Ave. / Atlantic Ave.	East	W/O Atlantic Ave.	38	HIGH	Yes	Yes	Yes	No		X		West	E/O Atlantic Ave.	38	HIGH	Yes	Yes	Yes	No		X	
D	Gage Ave. /Eastern Ave.	East	W/O Eastern Ave.	34	HIGH	Yes	Yes	No	No	X			West	E/O Eastern Ave.	30	HIGH	Yes	Yes	Yes	No		X	
406	Gage Ave. /Garfield Ave.	East	W/O Garfield Ave.	34	HIGH	Yes	Yes	N/A	No		X		West	E/O Garfield Ave.	30	HIGH	Yes	Yes	No	No	X		
D	Garfield Ave. /Bandini Blvd.	South	N/O Bandini Blvd.	25	HIGH	Yes	Yes	Yes	No		X		North	S/O Bandini Blvd.	22	MEDIUM	Yes	Yes	Yes	No			
D	Garfield Ave. /Gage Ave.	South	N/O Gage Ave.	34	HIGH	Yes	Yes	Yes	No		X		North	S/O Gage Ave.	30	HIGH	Yes	Yes	Yes	No		X	
D	Garfield Ave. /Eastern Ave.	South	N/O Eastern Ave.	30	HIGH	Yes	Yes	Yes	No		X		North	S/O Eastern Ave.	30	HIGH	Yes	Yes	Yes	No		X	
424	Garfield Ave. /Imperial Hwy.	South	N/O Imperial Hwy.	27	HIGH	Yes	Yes	No	No	X			North	S/O Imperial Hwy.	30	HIGH	Yes	Yes	No	No	X		
440	Long Beach Blvd. /Firestone Blvd.	South	N/O Firestone Blvd.	30	HIGH	Yes	Yes	No	No	X			North	S/O Firestone Blvd.	42	HIGH	Yes	Yes	Yes	No		X	
443	Long Beach Blvd. /Tweedy Blvd.	South	N/O Tweedy Blvd.	34	HIGH	Yes	Yes	Yes	No		X		North	S/O Tweedy Blvd.	45	HIGH	Yes	Yes	No	No	X		
457	Long Beach Blvd. /Rosecrans Ave.	South	N/O Rosecrans Ave.	30	HIGH	Yes	Yes	No	No	X			North	S/O Rosecrans Ave.	30	HIGH	Yes	Yes	No	No	X		
D	Long Beach Blvd. /Compton Blvd.	South	N/O Compton Blvd.	30	HIGH	Yes	Yes	Yes	No		X		North	S/O Compton Blvd.	30	HIGH	Yes	Yes	Yes	No		X	
D	Long Beach Blvd. /Alondra Blvd.	South	N/O Alondra Blvd.	30	HIGH	Yes	Yes	Yes	No		X		North	S/O Alondra Blvd.	30	HIGH	Yes	Yes	Yes	No		X	
D	M.L.K. Jr. Blvd. /Long Beach Blvd.	East	W/O Long Beach Blvd.	30	HIGH	Yes	Yes	Yes	No		X		West	E/O Long Beach Blvd.	27	HIGH	Yes	Yes	Yes	No		X	
D	Washington Blvd. /Eastern Ave.	East	W/O Eastern Ave.	34	HIGH	Yes	Yes	Yes	No		X		West	E/O Eastern Ave.	30	HIGH	Yes	Yes	N/A	No		X	
670	Wilmington Ave. /Rosecrans Ave.	South	N/O Rosecrans Ave.	42	HIGH	Yes	Yes	No	No	X			North	S/O Rosecrans Ave.	30	HIGH	Yes	Yes	No	No	X		
D	Wilmington Ave. /Compton Blvd.	South	N/O Compton Blvd.	34	HIGH	Yes	Yes	Yes	No		X		North	S/O Compton Blvd.	30	HIGH	Yes	Yes	Yes	No		X	
D	Wilmington Ave. /Del Amo Blvd.	South	N/O Del Amo Blvd.	30	HIGH	Yes	Yes	Yes	No		X		North	S/O Del Amo Blvd.	30	HIGH	Yes	Yes	N/A	No		X	
274	Cherry Ave. /Willow St.	South	N/O Willow St.	30	HIGH	Yes	Yes	No	Yes	X			North	S/O Willow St.	34	HIGH	Yes	Yes	No	Yes	X		